



# 2010 Racing Technology from Intercomp



**SW777RFX™ Wireless Professional Scale™ System**  
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**Adjustable Valve Seat Tester**  
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## Our Commitment

*Intercomp is an electronics manufacturer committed to serving the high performance racing industry. We design scales & related chassis setup equipment for all forms of racing, always keeping an eye on the future. Your custom requirements are appreciated & treated with respect.*

## Industry Firsts

1.  Wireless Technology
2. PC Wireless Scale System
3. **PERCENT WEIGH™**  
Weight Percentages Displayed in Hundredths
4. Wireless Scale System
5. Digital Adjustable Valve Seat Tester
6. Billet Four Pad 20k Scale System
7. Low Profile Billet Scale Pad
8. Baseline Setup Recall™ of Weights & Percentages
9. 2.5" (64mm) - 1,500lb (700kg) Capacity Scale
10. Integrated Scale System with C/G Calculation & Printout
11. High Accuracy - 0.1% Scale System
12. Digital Turn Plate
13. Digital Caster/Camber Gauge
14. Digital Torsion Bar Tester
15. Digital Bump Steer Gauge
16. Digital Shock Pressure Gauge
17. Digital Leaf Spring Tester
18. Tire Drying/Purging System

## Customer Service

*If you have any questions or to place an order feel free to call, write or fax:*

### Intercomp Company

3839 County Road 116  
Medina, Minnesota 55340 USA

**Toll Free:** 800-328-3336 USA

**Phone:** 763/476-2531 Worldwide

**Fax:** 763/476-2613 Worldwide

**E-mail:** [highperf@intercompcompany.com](mailto:highperf@intercompcompany.com)

**Web site:** [intercompracing.com](http://intercompracing.com)

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Wireless Scale System Technology

# Your Only Choice

## for All of Your Wireless Weighing Needs!

Featuring  
**PERCENT WEIGH™**

Displays Setups to  
One Hundredth of a Percent!



Intercomp's industry leading, field-proven, RFX™ Wireless Weighing Technology is the most advanced wireless weighing technology of its kind & has been used by champions in all forms of motorsports. NASCAR's Top Three 2009 Division Champions won on Intercomp Wireless Scale Systems, & all 12 racers in the Cup Championship Chase use Intercomp Wireless Scale Systems!

Precise weight distribution is critical to on-track success.

Intercomp's Percent Weigh Technology displays your percentages to one hundredth of a percent for the ultimate in chassis setup, separating the front runners from the followers. Intercomp Scales provide the necessary data for any racer to become a chassis expert!

All Intercomp load cells & scale systems are tested & calibrated to the regulations set forth by the National Institute of Standards & Technology. Accuracy is 1/10 of 1% on every scale system. These regulations include: temperature range, accuracy, repeatability, humidity, R.F.I./E.M.I. interference & permanence.

Intercomp manufactures the industry's first billet 2.5" (64mm) low profile scale pad with 1,500lb (700kg) pad capacity, or 6,000lb (2,800kg) system capacity.

All Intercomp scale pads are manufactured from billet aluminum on high precision CNC machining & turning centers to maintain the tightest tolerances & finest product finish available.

### Technical Specifications:

#### Performance

Accuracy:  $\pm 0.1\%$  of applied load

Calibration: Keypad

Units: lb (kg)

Ambient:

Humidity: 10 to 95%

non-condensing

Temperature: Operating

14°F to 130°F

(-10°C to 54°C)

**100%**

of the teams in the NASCAR Sprint Series, Nationwide Series & Craftsman Truck Series are inspected with an INTERCOMP Scale System



#### SW777RFX™ Wireless Professional Scale™

Part # 170127-W

Page 5



RCMS Software,  
Case & USB  
Cable Included!

#### SW650RFX™ Wireless Quik Weigh Scale™

Part # 170126-W

Page 6



World's  
Strongest  
Billet Pads

2x Stronger  
than Liquid  
Metal Cast Pads!



Specs	Intercomp	Competition
Material	Billet 6061 T6 Aluminum	Imported Castings
Strength	40,000lbs per sq. inch	20,000lbs per sq. inch
Indicator	2010 Technology	Imported Components
Pad Design	CNC Machined Billet	Outdated Rough Castings
Flatness	0.015	0.050
Certified Calibration	YES	NO
Output	USB & RS232	NO
Battery	AA	Custom
Warranty	FULL 2-YEAR	LIMITED
Scale Manufacturer	YES	NO



OFFICIAL TECH SCALES FOR USMTS, ARCA, IMCA, DIRT, AHDR, UMP, AMA, F-2000, World of Outlaws, WKA, MASCS, SCCA World Challenge, INEX 600 Racing, NALMS, ASA Southwest & ASA Midwest.

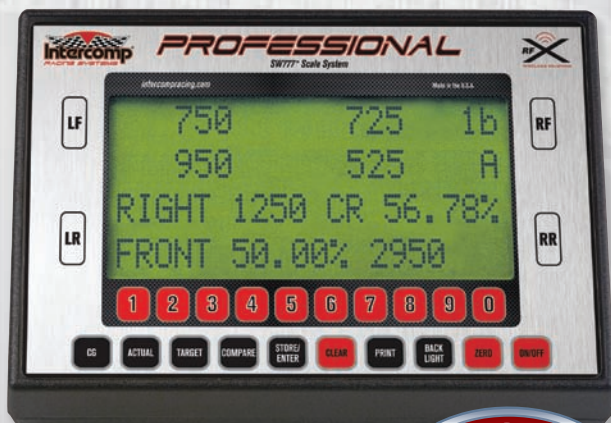


# Professional

## SW777RFX™ Wireless Scale System



2009 Rookie of the Year  
Joe Gibbs Racing



USB  
Output



Includes RCMS Software, USB Cable & Transport Case!

Featuring

**PERCENT WEIGH™**

Displays Setups to  
One Hundredth of a Percent!

### Complete Scale System

Part # 170127-W

- Fully Integrated RFX Wireless Technology
- Encryption Ensures Secure Wireless Communication
- **USB & RS232 Output**
- Certified to 0.1% Accuracy
- 1,500lb (700kg) Pad Capacity
- 6,000lb (2,800kg) System Capacity
- **Stores 100 Chassis Setups**
- Baseline Setup Recall
- Center of Gravity Calculation
- User Selectable Display Modes
- **Target Tune Feature**
- Giant 0.5", Backlit, Display Characters
- View ANY Combination of Scale Pad Weight & Percentage
- 400hr Average Battery Life in Pads

### System Includes:

- 15" x 15" x 2.5" (381 x 381 x 64mm) Wireless RFX Billet Pads
- One Touch Wireless Indicator with Rechargeable Batteries, Battery Charger & Case
- Pad Storage Case
- USB Cable for PC
- Race Car Management Software
- AA Alkaline Batteries for Scale Pads
- 2-Year Warranty



PDA Version  
Part # 170179

PC Software  
Part # 170179-PC  
(PC not included)

### Custom Displays

750	725	1b
950	525	A
LEFT 57.63% C 56.78%		
REAR 50.00% 2950		

Oval Track

750	725	1b
950	525	A
RIGHT 1250 CR 56.78%		
FRONT 50.00% 2950		

Sprint Cup/Nationwide

750	725	1b
950	525	A
SELECT: 1675 56.78%		
TOTAL: 2950 lbs		

Road Racing

LEFT 1700	57.63%
REAR 1475	50.00%
CROSS 1675	56.78%
REAR BITE	425 A

Dirt Track  
w/REAR BITE

750	725	1b
950	525	A
FRONT 50.00%		
REAR 50.00% 2950		

Drag/Rally

LF 750F	50.0AF	725
LS 57.6W	56.8RS	42.4
LR 950R	50.0RR	525
TOTAL: 2950 lbs		

All Weights & Percentages  
Displayed On One Screen!

750	725
TOTAL: 2950 lbs	
950	525

Total Display

TOTAL: 2950 lbs	
--------------------	--

Total Weight

### Additional RFX Indicator Options

Available for all RFX Model Scale Systems

See page 8 for more details.



Billet Scale Systems

# Quik Weigh

## SW650RFX™ Wireless Scale System



Billy Moyer

### Complete Scale System

Part # 170126-W

- Fully Integrated RFX Wireless Technology
- Encryption Ensures Secure Wireless Communication
- **USB & RS232 Output**
- Certified to 0.1% Accuracy
- 1,500lb (700kg) Pad Capacity
- 6,000lb (2,800kg) System Capacity
- Stores 100 Chassis Setups
- Baseline Setup Recall
- **Center of Gravity Calculation**
- User Selectable Display Modes
- Target Tune Feature
- Giant 0.5", Backlit, Display Characters
- View ANY Combination of Scale Pad Weight & Percentage
- 400hr Average Battery Life in Pads

#### System Includes:

- 15" x 15" x 2.5" (381 x 381 x 64mm) Wireless RFX Billet Pads
- One Touch Wireless Indicator with Rechargeable Batteries, Battery Charger & Case
- AA Alkaline Batteries for Scale Pads
- 2-Year Warranty



Specs	Intercomp	Competition
Material	Billet 6061 T6 Aluminum	Imported Castings
Strength	40,000lbs per sq. inch	20,000lbs per sq. inch
Indicator	2010 Technology	Imported Components
Pad Design	CNC Machined Billet	Outdated Rough Castings
Flatness	0.015	0.050
Certified Calibration	YES	NO
Output	USB & RS232	NO
Battery	AA	Custom
Warranty	FULL 2-YEAR	LIMITED
Scale Manufacturer	YES	NO

Featuring  
**PERCENT WEIGH™**

Displays Setups to  
One Hundredth of a Percent!



### Additional RFX Indicator Options

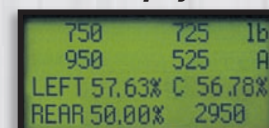
Available for all RFX Model Scale Systems

See page 8 for more details.

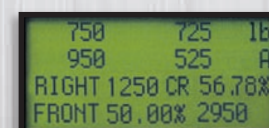
PDA Version  
Part # 170179

PC Software  
Part # 170179-PC  
(PC not included)

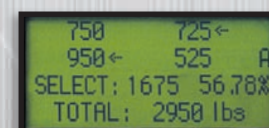
### Custom Displays



Oval Track



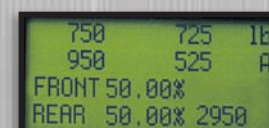
Sprint Cup/Nationwide



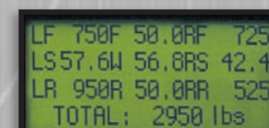
Road Racing



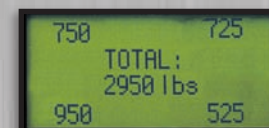
Dirt Track  
w/REAR BITE



Drag/Rally



All Weights & Percentages  
Displayed On One Screen!



Total Display



Total Weight



# E-Z Weigh

Large, Easy-to-Read, Display  
of Weights & Percentages

## SW500™ Cabled Scale System

### Complete Scale System

Part # 170125

- 1,500lb (700kg) Pad Capacity
- 6,000lb (2,800kg) System Capacity
- Displays Setups to One Hundredth of a Percent
- Stores 100 Chassis Setups
- Baseline Setup Recall
- User Selectable Display Modes
- View ANY Combination of Scale Pad Weight & Percentage
- Center of Gravity Calculation
- Target Tune Feature
- Certified to 0.1% Accuracy
- RS232 Output
- Giant 0.5", Backlit, Display Characters

#### System Includes:

- 15" x 15" x 2.5" (381 x 381 x 64mm) Billet Scale Pads
- Cabled Indicator with Case
- Standard 9-Volt Battery
- 2-Year Warranty



Memory  
Storage

### Best Features in Class

#### Custom Displays

750	725	1b
950	525	A
LEFT 57.63%	C 56.78%	
REAR 50.00%	2950	

Oval Track

750	725	1b
950	525	A
RIGHT 1250	CR 56.78%	
FRONT 50.00%	2950	

Sprint Cup/Nationwide

750	725	1b
950	525	A
SELECT: 1675	56.78%	
TOTAL: 2950	lbs	

Road Racing

LEFT 1700	57.63%	
REAR 1475	50.00%	
CROSS 1675	56.78%	
REAR BITE 425	A	

Dirt Track  
w/REAR BITE

750	725	1b
950	525	A
FRONT 50.00%		
REAR 50.00%	2950	

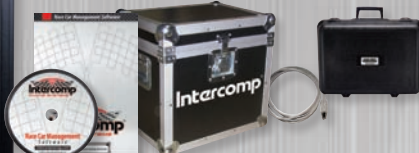
Drag/Rally

TOTAL:		
2950	lbs	

Total Weight

## E-Z Weigh Deluxe Cabled Scale System

Part # 170124



Includes Cabled Indicator with Case, 15" x 15" x 2.5" (381 x 381 x 64mm) Billet Scale Pads, Race Car Management Software, Interface Cable, Pad Case, Standard 9-Volt Battery & 2-Year Warranty!

Featuring  
**PERCENT WEIGH™**

Displays Setups to  
One Hundredth of a Percent!

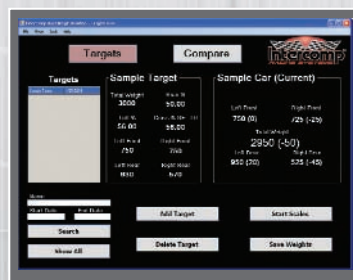
**Wireless Scale Systems**

# Encryption Ensures Secure Wireless Communication Weigh Wireless with Intercomp!

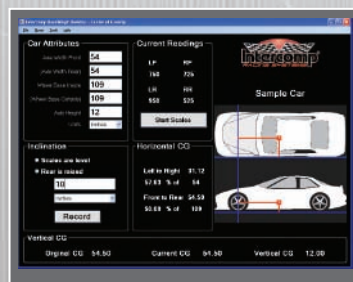


Intercomp's Wireless Weighing Systems combine our ultra accurate Billet Scale Pads with Intercomp's tested & proven advanced RFX wireless technology.

Systems use Intercomp's Wireless RaceWeigh Software & four Billet Scale Pads with integrated RFX Wireless Weighing Technology to transmit data from the scale pads to a PDA, PC or Handheld Wireless Indicator.



Target Tune Screen



Center of Gravity Screen

Featuring  
**PERCENT WEIGH™**

Displays Setups to  
One Hundredth of a Percent!

## Custom Displays

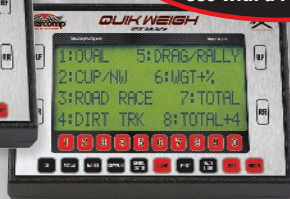
- Oval Track
- Sprint Cup/Nationwide
- Kart
- Road Racing
- Dirt Track
- Drag/Rally
- 4 Corners



Main View Screen (shown)

- **Fully Integrated RFX Wireless Technology**
- **Encryption Ensures Secure Wireless Communication**
- **Certified to 0.1% Accuracy**
- **Store & Recall Chassis Setups**
- **Baseline Setup Recall**
- **Center of Gravity Calculation**
- **User Selectable Display Modes**
- **Target Tune Feature**
- **View ANY Combination of Scale Pad Weight & Percentage**
- **400hr Average Battery Life in Pads**

Enhance your RFX Scale System by Adding Intercomp's RaceWeigh Software! Use with a PDA or PC!



## RFX Indicator Options

Available for all RFX Scale Systems

PDA Version  
Part # 170179

PC Software  
Part # 170179-PC  
(PC not included)



## SW787™ Wireless Scale System



Main  
View Screen  
(shown)

### SW787 PC Version Part # 170154-PC

(PC not included)

System Requirements: Windows®2000,  
Windows®XP,Vista® & Windows®7

### SW787 PDA Version Part # 170154

#### System Includes:

- 15" x 15" x 2.5" (381 x 381 x 64mm) Wireless RFX Billet Pads
- RaceWeigh Software for PC
- AA Alkaline Batteries for Scale Pads
- 2-Year Warranty

#### System Includes:

- 15" x 15" x 2.5" (381 x 381 x 64mm) Wireless RFX Billet Pads
- Handheld PDA with RaceWeigh Software
- AA Alkaline Batteries for Scale Pads
- 2-Year Warranty



### Billet Pads 15" x 15" x 2.5" (381 x 381 x 64mm)

- 1,500lb (700kg) Pad Capacity
- 6,000lb (2,800kg) System Capacity

## SW888™ Wireless Scale System



Target  
Tune Screen  
(shown)

### SW888 PC Version Part # 170181-PC

(PC not included)

System Requirements: Windows®2000,  
Windows®XP,Vista® & Windows®7

### SW888 PDA Version Part # 170181

#### System Includes:

- 15" x 15" x 2.5" (381 x 381 x 64mm) Limited Edition Wireless RFX Billet Pads
- RaceWeigh Software for PC
- AA Alkaline Batteries for Scale Pads
- 2-Year Warranty

#### System Includes:

- 15" x 15" x 2.5" (381 x 381 x 64mm) Limited Edition Wireless RFX Billet Pads
- Handheld PDA with RaceWeigh Software
- AA Alkaline Batteries for Scale Pads
- 2-Year Warranty



### Limited Edition Billet Pads

### 15" x 15" x 2.5" (381 x 381 x 64mm)

- 1,500lb (700kg) Pad Capacity
- 6,000lb (2,800kg) System Capacity



### SW888 Indicator Version Part # 170182

#### System Includes:

- 15" x 15" x 2.5" (381 x 381 x 64mm) Limited Edition Wireless RFX Billet Pads
- One Touch Wireless Indicator with Rechargeable Batteries, Battery Charger & Case
- AA Alkaline Batteries for Scale Pads
- 2-Year Warranty

## SW8.8K™ Wireless Scale System



Center of  
Gravity Screen  
(shown)

### SW8.8K PC Version Part # 170156-PC

(PC not included)

System Requirements: Windows®2000,  
Windows®XP,Vista® & Windows®7

### SW8.8K PDA Version Part # 170156

#### System Includes:

- 15" x 15" x 4" (381 x 381 x 100mm) Wireless RFX Billet Pads
- RaceWeigh Software for PC
- AA Alkaline Batteries for Scale Pads
- 2-Year Warranty

#### System Includes:

- 15" x 15" x 4" (381 x 381 x 100mm) Wireless RFX Billet Pads
- Handheld PDA with RaceWeigh Software
- AA Alkaline Batteries for Scale Pads
- 2-Year Warranty



### 8.8K Billet Pads 15" x 15" x 4" (381 x 381 x 100mm)

- 2,200lb (1,000kg) Pad Capacity
- 8,800lb (4,000kg) System Capacity



Specialty Scale Systems

# SW8.8K

## Professional Cabled Scale System

Featuring  
**PERCENT WEIGH™**

Displays Setups to  
One Hundredth of a Percent!



Memory  
Storage

### Complete Scale System

Part # 170129-D (Quick Disconnect Cables)

- 2,200lb (1,100kg) Pad Capacity
- 8,800lb (4,000kg) System Capacity
- Displays Setups to One Hundredth of a Percent
- Stores 100 Chassis Setups
- Giant 0.5", Backlit, Display Characters
- Certified to 0.1% Accuracy
- RS232 Output
- Baseline Setup Recall
- User Selectable Display Modes
- Military-Grade Detachable Cables



170129-D Quick  
Disconnect  
Indicator

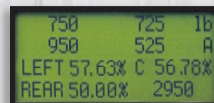


Ultra Flat,  
High Precision  
Billet Pads

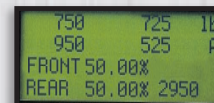
### System Includes:

- 15" x 15" x 4" (381 x 381 x 100mm) Billet Scale Pads
- Cabled Indicator With Case
- Standard 9-Volt Battery
- 2-Year Warranty

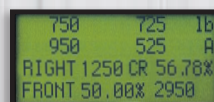
### Custom Displays



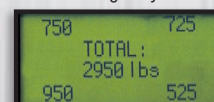
Oval Track



Drag/Rally



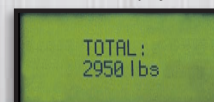
Sprint Cup/Nationwide



Total Display



Road Racing



Total Weight



Dirt Track  
w/REAR BITE



All Weights & Percentages  
Displayed On One Screen!

# SW-20K

## Cabled Scale System

### Complete Scale System

Part # 170151

- 5,000lb (2,500kg) Pad Capacity
- 20,000lb (10,000kg) System Capacity
- Giant 0.5", Backlit, Display Characters
- Certified to 0.1% Accuracy
- RS232 Output
- Military-Grade Cables & Connectors
- Four Adjustable Feet per Scale Platform
- Ideal for Wind Tunnel Testing, Tractors, Coaches, Mobile Homes & Other Large Wheeled Vehicles

### System Includes:

- 15" x 15" x 4" (381 x 381 x 100mm) Billet Scale Pads
- Cabled Indicator with Case
- Standard 9-Volt Battery
- 2-Year Warranty



# SW Motorcycle

## Cabled Scale System

### Complete Scale System

Part # 100328

- 500lb (250kg) Pad Capacity
- 1,000lb (500kg) System Capacity
- Dual Pad System
- Giant 0.5", Backlit, Display Characters
- Used by AHDRA, AMA, FIM, IDBA & Most Professional Race Organizations
- Displays Front & Rear Weights, Total Weight & Percentages
- Certified to 0.1% Accuracy
- Readout in 0.5lb (0.2kg) Increments
- Heavy-Duty Cabling

### System Includes:

- 15" x 15" x 2.5" (381 x 381 x 64mm) Billet Scale Pads
- Cabled Indicator with Case
- Standard 9-Volt Battery
- 2-Year Warranty





# Variable Speed

## Shock Dynamometer



Part # 102090  
3HP Variable Speed  
Part # 102090-40  
3HP Variable Speed, 40" Masts  
Part # 102060  
2HP Variable Speed  
Part # 102060-40  
2HP Variable Speed, 40" Masts  
Part # 102190  
3HP Variable Speed, 50Hz  
Part # 102190-40  
3HP Variable Speed, 50Hz, 40" Masts  
Part # 102160  
2HP Variable Speed, 50Hz  
Part # 102160-40  
2HP Variable Speed, 50Hz, 40" Masts  
Part # 102062-S (Laptop Not Included)  
Fixed Speed Shock Dynamometer



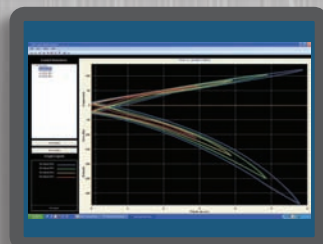
Laptop  
Included!

### Dynamometer Specs:

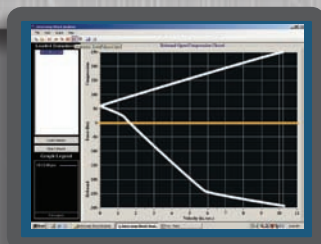
- 3HP or 2HP Motor
- Variable Speed:  
0.5 to 14 in/sec
- Adjustable Stroke:  
1.0", 1.5", 2.0" or 2.25"
- Type K Thermocouple Sensor
- Runs on 220V Power
- Scotch Yoke System
- 2,000lb Load Cell
- USB Connection
- Compression/Tension Load Cell
- 28" or 40" Eye-to-Eye Masts Available

### Software Features:

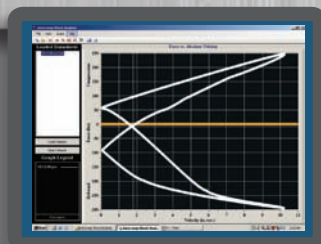
- Warm Up for Time or Temp
- Test by Time or Temp
- User Friendly, Easy-to-Operate
- Live Data Display/Live Graphing Option
- Peak Velocity Pick Off Testing/Graphing (PVP)
- Constant Velocity Testing/Graphing (CVP)
- Real-Time PVP Graphing with CVP Graphs for Each Velocity Interval
- Overlay 20 Graphs
- View Data Points in 0.1", 0.5", 1.0" or 2.0" intervals
- Display All Measurement Units Independently
  - Force: lb/kg
  - Distance: in/cm
  - Temp: °F/°C
- Load & View Previous Shock Tests
- Software Compatible with Windows® 2000, Windows® XP, Vista™ & Windows® 7



Compare Shocks



Compression Closed/  
Rebound Open

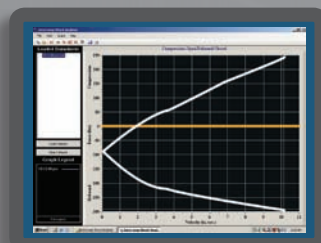


Force vs Absolute Velocity

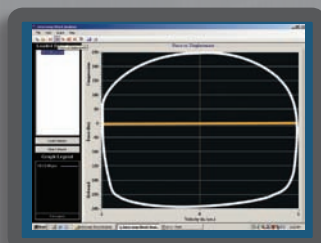
Table 1: Data Points (Example Data)

Velocity	Force	Temp	Distance	Time
0.5	100	75	1.0	0.01
1.0	200	75	1.0	0.02
1.5	300	75	1.0	0.03
2.0	400	75	1.0	0.04
2.5	500	75	1.0	0.05
3.0	600	75	1.0	0.06
3.5	700	75	1.0	0.07
4.0	800	75	1.0	0.08
4.5	900	75	1.0	0.09
5.0	1000	75	1.0	0.10
5.5	1100	75	1.0	0.11
6.0	1200	75	1.0	0.12
6.5	1300	75	1.0	0.13
7.0	1400	75	1.0	0.14
7.5	1500	75	1.0	0.15
8.0	1600	75	1.0	0.16
8.5	1700	75	1.0	0.17
9.0	1800	75	1.0	0.18
9.5	1900	75	1.0	0.19
10.0	2000	75	1.0	0.20

Data Points



Compression Open/  
Rebound Closed



Force vs Displacement

Intercomp  
Shock Analysis  
Software



Live CVP

**Billet Kart Scale Systems & Accessories**

# Professional Kart

## SW777RFX™ Wireless Scale System

Kevin Beamish  
IKF & WKA



### Complete Scale System

Part # 170183

- Fully Integrated RFX Wireless Technology
- Encryption Ensures Secure Wireless Communication
- **USB & RS232 Output**
- Certified to 0.1% Accuracy
- 400lb (200kg) Pad Capacity
- 1,600lb (800kg) System Capacity
- **Stores 100 Chassis Setups**
- **Baseline Setup Recall**
- **Center of Gravity Calculation**
- **User Selectable Display Modes**
- **Target Tune Feature**
- **Giant 0.5", Backlit, Display Characters**
- **View ANY Combination of Scale Pad Weight & Percentage**
- **400hr Average Battery Life in Pads**

#### System Includes:

- 10" x 10" x 2" (254 x 254 x 51mm) Wireless RFX Billet Pads
- One Touch Wireless Indicator with Rechargeable Batteries, Battery Charger & Case
- AA Alkaline Batteries for Scale Pads
- 2-Year Warranty



10" x 10" Billet Pads

**USB Output**



Official Tech  
Scale of WKA

**10" x 10" x 2" Billet Pads  
are Ideal for Karts, Bandoleros  
& Vehicles under 1600lbs.**

#### Custom Displays

250.5	235.2	1b
310.2	200.0	A
LEFT 55.85%	C 54.33%	
REAR 51.62%	1003.9	

Oval Track

250.5	235.2	1b
310.2	200.0	A
LEFT 55.85%	C 54.33%	
FRONT 48.38%	1003.9	

Kart Track

250.5	235.2	1b
310.2	200.0	A
SELECT: 545.4	54.33%	
TOTAL: 1003.9	lbs	

Road Racing

LEFT 560.7	55.85%	
REAR 518.2	51.62%	
CROSS 545.4	54.33%	
REAR BITE 102.2	A	

Dirt Track

250.5	235.2	1b
310.2	200.0	A
FRONT 48.38%		
REAR 51.62%	1003.9	

Drag/Rally

LF 250.5F	48.4RF	235.2
LS 55.9W	54.3RF	44.1
LR 310.2F	51.6RF	200.0
TOTAL: 1003.9	lbs	

All Weights & Percentages  
Displayed On One Screen!

TOTAL:	
367.0	lbs

Total Weight

89.1	71.0
TOTAL:	
367.0	lbs
121.4	85.5

Total Display Mode

Featuring  
**PERCENT WEIGH™**

**Displays Setups to  
One Hundredth of a Percent!**



# E-Z Weigh Kart

Featuring  
**PERCENT WEIGH™**

*Displays Setups to  
One Hundredth of a Percent!*

## SW500™ Cabled Scale System

### Complete Scale System

Part # 170130

- 400lb (200kg) Pad Capacity
- 1,600lb (800kg) System Capacity
- Displays Setups to One Hundredth of a Percent
- View ANY Combination of Scale Pad Weight & Percentage
- Target Tune Feature
- RS232 Output
- Certified to 0.1% Accuracy
- 4-Bolt Load Cell Design
- Stores 100 Chassis Setups
- Baseline Setup Recall
- Center of Gravity Calculation
- User Selectable Display Modes
- Giant 0.5", Backlit, Display Characters

#### System Includes:

- 10" x 8" x 2" (254 x 203 x 51mm) Billet Pads
- Cabled Indicator with Case
- Standard 9-Volt Battery
- 2-Year Warranty



#### Custom Displays

250.5	235.2	1b
310.2	200.0	A
LEFT 55.85%	C 54.33%	
REAR 51.62%	1003.9	

Oval Track

250.5	235.2	1b
310.2	200.0	A
LEFT 55.85%	C 54.33%	
FRONT 48.38%	1003.9	

Kart Track

250.5	235.2	1b
310.2	200.0	A
SELECT: 545.4	54.33%	
TOTAL: 1003.9	lbs	

Road Racing

LEFT 560.7	55.85%	
REAR 518.2	51.62%	
CROSS 545.4	54.33%	
REAR BITE 102.2	A	

Dirt Track

250.5	235.2	1b
310.2	200.0	A
FRONT 48.38%		
REAR 51.62%	1003.9	

Drag/Rally

LF 250.5F	48.4AF	235.2
LS 55.9W	54.3AF	44.1
LR 310.2F	51.6AR	200.0
TOTAL: 1003.9	lbs	

All Weights & Percentages  
Displayed On One Screen!

TOTAL:	
367.0	lbs

Total Weight

89.1	71.0
TOTAL:	
367.0	lbs
121.4	85.5

Total Display Mode

# Professional Kart

## SW777™ Cabled Scale System

Part # 170132

#### System Includes:

- 10" x 10" x 2" (254 x 254 x 51mm) Limited Edition Billet Pads
- Cabled Professional Indicator with Case
- Standard 9-Volt Battery
- 2-Year Warranty





**Billet Kart Scale Systems & Accessories**

## Billet KART Bubble Camber-Only Gauge

Part # 102136 – w/Magnetic Adapter & Case

Part # 102137 – w/5/8" Kart Adapter & Case

Part # 102138 – w/Case (No Adapter)

- CNC Machined Billet Aluminum Construction
- Easy-to-Read Bubble Display
- Measures  $\pm 6^\circ$  of Camber

**1/8 Degree Increments**



## Billet KART Bubble Caster/Camber Gauge

Part # 102040 – w/5/8" Adapter & Case

Part # 102041 – w/14/17mm Adapter & Case



## Bolt-On Kart Chassis Alignment System

Part # 100677

**Front Toe Plates:**

6.7" h x 10" w (170 x 254mm)

**Rear Plates:**

10" (254mm) diameter

- Provides EXACT Baseline Recall for Setting Toe, Four Wheel Squareness & Wheel Offsets
- Accommodates Standard US Hubs 3 on 2.5" Bolt Circle (1/4 & 5/16 Stud)
- Accommodates International Sizes 3 on 58mm & 3 on 67mm Bolt Circle

## Bolt-On Kart Toe Plates

Part # 100674

**Dimensions:**

6.7" h x 10" w (170 x 254mm)

- Allows for Quick & Easy Setting of Toe
- Obtain Nominal Measurements for Quick "Post-Crash" Analysis
- Accommodates Standard US Hubs 3 on 2.5" Bolt Circle (1/4 & 5/16 Stud)
- Accommodates International Sizes 3 on 58mm & 3 on 67mm Bolt Circle



Competition Karting

## KART Setup Rack

Part # 102035 – Oval Kart Setup Rack

**Dimensions:**

54.75" x 45" (1390 x 1145mm)

Part # 102002 – Shifter Kart Setup Rack

**Double Bar Support**

**Dimensions:**

54.75" x 57" (1390 x 1450mm)

- Establishes a Level Setup Area
- Accommodates all 8" (203mm) & 10" (254mm) Scale Pads
- Handles Most Any Wheel Base & Track Width
- Constructed of High-Strength Aluminum
- Assembles Quickly & is Compact for Easy Storage



## Tire Tester

Part # 100452 — KART

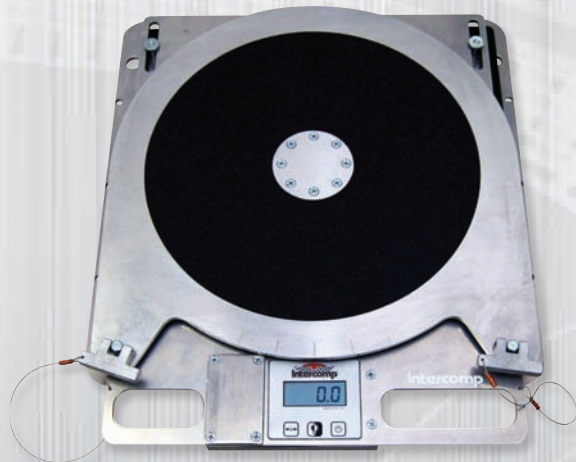
- Force Capacity of 250lb (125kg)
- Reduces Variability in Tires by Matching the Spring Rates
- Dial in Your Tire's Spring Rate to Optimize Handling Characteristics
- Backlit for Night Use





# High Strength Bearings 3-Axis Movement

*Non-Deflecting Turn Plates Do Not Impair Caster or Camber*



**0.1° Increments  
2,000lb Capacity**

## Digital Turn Plate

**Patent # 6,047,594**

Part # 100340 (Set of Two)

- Measure Wheel Angle with the Industry's First Digital Turn Plate
- Large, Easy-to-Read Electronic Display
- 0.1° Graduation
- Range of  $\pm 30^\circ$  (60° Total)
- Standard 9-Volt Battery Operation
- Light-Weight Aluminum Construction
- Take Several Easy Measurements to be Used for Alignment. Including Caster/Camber & Ackerman
- Can be Placed on Top of Scale Pads

**Dimensions:** 13" x 15" x 1.625" (330 x 380 x 41mm)



**0.5° Increments  
2,000lb Capacity**

## Mechanical Turn Plate

Part # 102007 (Set of Two)

- Same Construction as Intercomp's Premier Digital Turn Plate, but Utilizes Precise CNC Machined Numbers
- Range from  $\pm 35^\circ$  (70° Total)
- Can be Zeroed with Car in Place

**Dimensions:** 13" x 15" x 1.625" (330 x 380 x 41mm)

## Turn Plate Rear Spacer

Part # 100339-09 (Set of Two)

- Maintain Proper Weight Distribution by Keeping the Rear Level with the Front Plates
- Constructed from Light-Weight, Aerospace-Grade, Aluminum

**Dimensions:** 13" x 15" x 1.625" (330 x 380 x 41mm)



Scott Lawrence  
Wisota Racing



**Alignment Equipment**

# Industry's Only Fully Digital Caster/Camber Gauge



*Shown with magnetic adapter*

## Digital Caster/Camber Gauge with Backlight

Part # 100005 w/Case & Magnetic Adapter  
Part # 100008 w/Case (No Adapter)  
Part # 102046 w/Case & Wide-5 Adapter  
Part # 100793 w/Case & NASCAR Adapter

- Indicates to 1/10° & has a  $\pm 20^\circ$  Caster/Camber Reading
- Up To 10 Times Greater Accuracy than Traditional Bubble Gauges
- Standard 9-Volt Battery Gives up to 100 Hours of Operation
- Light-Weight, Aluminum Design, with Auto Shut-Off
- Inclinator Mode for Pinion & Strut Angles
- Built-in Diagnostic Mode for Resetting Camber Zero

## Digital Bump Steer Gauge

Part # 102008 Digital Travel  
Part # 102086 Digital Travel Wide-5  
Part # 102014 Ruler Travel

- Fully Digital Bump Steer Gauge
- Fully Digital Travel Indication
- Standard Hub Plate Works with Most 5-Bolt Patterns from 4.5" to 5" & Wide-5
- Anti-Slip "T" Base with Leveling Feet & Bubble Allows Use With a Car on a Jack
- Can be Used with a Standard Floor Jack or Bottle Jack
- Available with Ruler Travel Indication



**19" of Height  
Adjustment**

### OPTIONS:

Wide-5 Ruler Hub Plate Part # 102087	BLANK Hub Plate Part # 102019
Wide-5 Digital Hub Plate Part # 102088	LEGENDS CAR Hub Plate Part # 102029



## Rim Clamp

Part # 100007 AUTO 18" (457mm)  
Part # 100009 TRUCK 25" (535mm)

- Commercial Grade Clamp
- Fits Most Any Size Wheel
- Rugged Design Guarantees a Secure Fit
- Use with our Digital or Bubble Caster/Camber Gauge with Magnetic Adapter

### CASTER/CAMBER GAUGE ADAPTERS\*

Part # 100006 Magnetic	3.5"OD - 1.55"ID	Part # 100788 Kart Spindle Adapter	.625 - 18 UNF
Part # 100000 GM	.750 - 20 UNEF	Part # 100789 Kart Spindle Adapter	14/17 mm - 1.5
Part # 100001 Big Ford	.813 - 20 UNEF	Part # 100869 Kart Spindle Adapter	16mm - 1.5
Part # 100002 Wide-5	1.813 - 16 UN	Part # 102074 Bandolero/Small Ford	Spindle Adapter
Part # 102055 Wide-5 for Digital C/C Gauge			.750 - 16 UNF
Part # 100003 SCP	.844 - 20 UNF		
Part # 100020 Small Ford	.750 - 16 UNF		
Part # 100013 Toyota/Legends	19 mm - 1.5		
Part # 100014 Kart - U.S.	.625 - 18 UNF		
Part # 100189 Magnetic/NASCAR	2.25"OD - 1.55"ID		
Part # 100794 Sprint Car	1.188 - 16 UNF		
Part # 100456 Kart	.50 - 13 UNC		
Part # 100457 Kart - Metric	14/17 mm - 1.5		
Part # 100458 Blank			

\* Can be used with most brands of C/C Gauges.



Spindle Adapter







**1/8 Degree  
Camber  
Increments**

Shown with  
magnetic adapter

## Industry's Highest Accuracy **Billet Bubble Gauge**

### CNC Machined Aluminum Billet Bubble Caster/Camber Gauge

Part # 102010 w/Case & Magnetic Adapter

Part # 102011 w/Case (No Adapter)

Part # 102042 w/Case & Wide-5 Adapter

Part # 102043 w/Case & GM Adapter

*Billet CNC machined  
aluminum housing with  
easy-to-read bubble display.  
Measures  $\pm 6^\circ$  of camber  
&  $\pm 8^\circ$  of caster.*



**Display Characters  
Rotate with Gauge!**

### "Dunlop Style" Wheel Adapter

Part # 360101-AG  
Dunlop Style Adapter  
with Digital Angle Gauge

Part # 360101

- Place on Wheel to Take Caster/Camber Readings
- Works on 13" to 19" Wheels
- Use with Intercomp's Bubble or Digital Caster/Camber Gauges & Digital Angle Finder

### Toe Plates

Part # 102009 (Set of Two)

- Quickly & Accurately Measure Toe
- High-Strength, Light-Weight, Aluminum Plates
- Includes Two Measuring Tapes



Dimensions: 12.5" x 11"  
(318 x 279mm)



### Digital Angle Gauge w/Magnetic Base & Sides

Part # 102144

**NEW!**

- Locate Angles Digitally
- Large LCD Display
- Magnetic Base & Sides
- Reads from  $0^\circ$  -  $90^\circ$  in  $0.05^\circ$  Increments

### Mechanical Liquid-Filled Angle Gauge w/Magnetic Base

Part # 360051

- Verify A-Frame, Shock Angles, Pinion, Upper Link & Trailing Arm Angles
- Magnetic Base Enables Use in Tight Areas
- Ball Bearing Design Eliminates Hangups



### Steel Wide-5 Dust Cover

Wilwood Part # 170139

Bert Part # 170140

- Steel Machined Cover for Magnesium Hubs
- For use with Caster/Camber Gauges with Magnetic Adapters



Zach Johnson  
2007 & 2008 Wisconsin National Champ Late Model

**Scale Levelers, Racks & Accessories**

*Billet Adjustable, Drive-On*

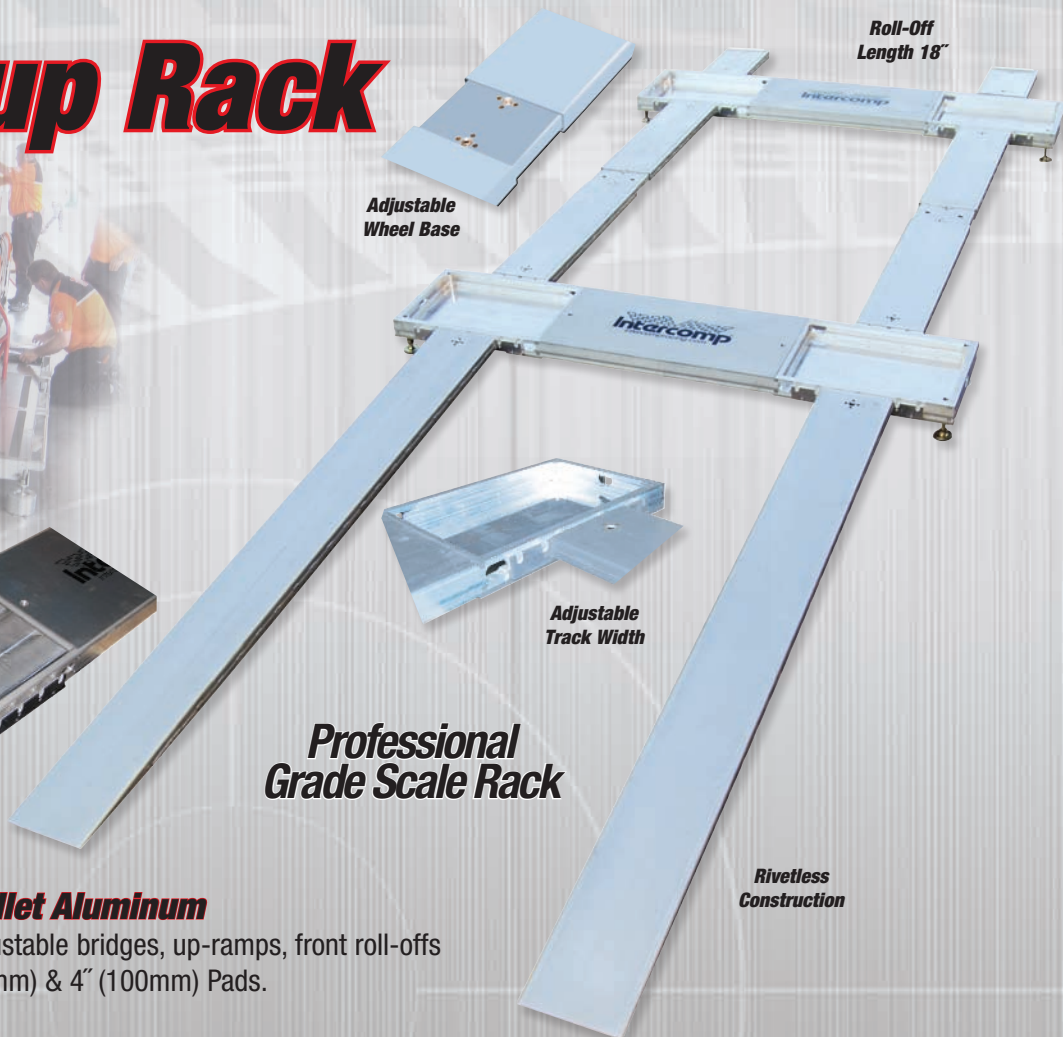
# **Scale Setup Rack**



**Four Load Cells per Scale Pad!**  
**RFX Wireless & Cabled**  
**Models Available**



**Part # 102017**  
Scale Rack with Integrated Scale Pads



**Professional  
Grade Scale Rack**

## **Manufactured from 6061-T6 Billet Aluminum**

Basic platform includes two pontoons, adjustable bridges, up-ramps, front roll-offs & steel leveling feet. Available for 2.5" (64mm) & 4" (100mm) Pads.

- "Non-Deflecting" Scale Pad Pockets at Max Capacity
- Honeycomb Filled Center for an Ultra Light-Weight Pontoon Cover on 4,000lb Capacity Racks
- Billet Track Width Mounts Adjustable in 2.5" (64mm) Increments
- Solid 6' (2m) Pontoon Design that Sets Up Fast & Easy
- 26 Adjustable Steel Feet Standard for Increased Stability
- Wheel Base Adjustable from 90" to 120" (2286 to 3048mm)
- Track Width Adjustable from 52" to 66" (1319 to 1678mm)
- Roll-Off Length 18" (457mm)

**Part # 102023** - 3,000lb, 6" Ramps & Bridges, 15" x 2.5" Pads

**Part # 102024** - 4,000lb, 10" Ramps & Bridges, 15" x 2.5" Pads

**Part # 102004** - 4,000lb, 10" Ramps & Bridges, 15" x 4" Pads

**Part # 102026** - Down Ramps for Scale Rack - 6" - (Set of Two)

**Part # 102027** - Down Ramps for Scale Rack - 10" - (Set of Two)

**Part # 102017** - Scale Rack with Four Integrated Scale Pads  
(Four Load Cells per Scale Pad)



**Leighton Reese**  
2008 Grand Am Champion  
Banner Racing

Visit us online **intercompracing.com** or call us at **800-328-3336** USA **763/476-2531** Worldwide





## Billet Leveler with Roll-Off Pad

Part # 170178 (Set of Four) for 2.5" profile pads

Part # 170173 (Set of Four) for 4" profile pads

- For any 15" x 15" (381 x 381mm) Scale Pad with a 2.5" (64mm) or 4" (100mm) Profile
- 6061 T6 Billet Aluminum Construction

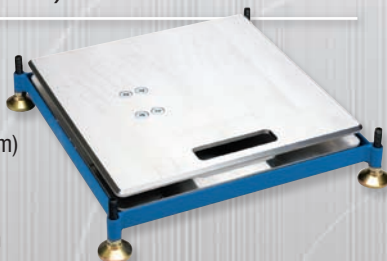
**Dimensions:** 32" x 16" (813 x 406mm)

## Scale Pad Leveler

Part # 100344 (Set of Four)

- For any 15" x 15" (381 x 381mm) Scale Pad with a 2.5" (64mm) or 4" (100mm) Profile
- High-Quality Steel Construction with a Powder Coat Finish

**Dimensions:** 15.5" x 15.5" (395 x 395 mm)



## Scale Pad Leveler with Roll-Off Pad (one-piece)

Part # 170133 (Set of Four) for 2.5" profile pads

Part # 170138 (Set of Four) for 4" profile pads

- Designed to Fit Any 15" (381mm) Scale Pad with 2.5" (64mm) or 4" (100mm) Pad Thickness
- Enables Car to be Rolled On or Off the Scale Pad with Little Effort
- Aluminum Construction

**Dimensions:** 31" x 15.5" (787 x 395mm)

**NEW!**

## Billet Leveler with Built-In Wireless Scale Pads

Part # 170188 (Set of Four)

- 2,200lb (1,000kg) Pad Capacity
- 8,800lb (4,000kg) System Capacity
- Non-Deflecting Scale Pads
- Four Load Cell Design
- Four Adjustable Steel Feet
- Fully Integrated RFX Wireless Technology

### System Includes:

- 15" x 15" (381 x 381mm) Wireless RFX Billet Pads with Leveling Feet
- RaceWeigh Software for PC
- AA Alkaline Batteries for Scale Pads
- 2-Year Warranty



Optional Chromoly Pad Insert Available

## Laser Leveling System for Scale Pads

Part # 102018



- Level Four Pads, Roll-Offs or Setup Racks
- Laser Sighting with Virtually an Unlimited Range
- Can be Used with all Scale Systems

## 2.5" Scale Ramp

Part # 100342  
(Set of Four)



- Low-Profile Ramp for 2.5" (64mm) Scale Pads
- Light-Weight, Aluminum Design

**Dimensions:** 15" x 15" (381 x 381mm)

## 4" Scale Ramp

Part # 100417-4  
(Set of Four)



- Low-Profile Ramp for 4" (100mm) Scale Pads
- Light-Weight, Aluminum Design

**Dimensions:** 15" x 36" (381 x 915mm)



Jeff Marshall  
Wissota



Engine Tools

## Adjustable Valve Seat Tester

Part # 100760

- First Fully Adjustable Digital VSPT for Rocker Length & Offset
- Precision 5.0lb/kg Increments
- Brass Contact to Prevent Rocker Damage
- Fully Anodized Billet Aluminum Components
- Comfort Grip T-Handle for Improved Accuracy & Ease of Use
- Extremely Light-Weight
- Infinite Adjustment & Peak Hold for Hard to Read Areas
- Backlit for Night Use
- Standard 9-Volt Battery operation

**Capacity range: 0-600lb (300kg)**



## Valve Seat Tester

Part # 100450

- Digital VSPT for Checking Valve Seat Pressure
- Precision 5.0lb/kg Increments
- Brass Contact to Prevent Rocker Damage
- Can be Used on Most Wedge Engines with Rocker Shafts & Aluminum Rockers
- Comfort Grip T-Handle for Improved Accuracy & Ease of Use
- Three Position Adjustment & Peak Hold for Hard to Read Areas
- Backlit for Night Use
- Standard 9-Volt Battery Operation

**Capacity range: 0-500lb (250kg)**



## Arbor Valve Spring Tester

Part # 110058

- 0.2lb Increments to 999lbs, 1lb Increments from 1,000 to 1,500lbs
- Billet 6061-T6 Aluminum Construction
- Digital Travel & Force Readout
- 5" Travel Capacity
- 3.5" Diameter Spring Pads
- Backlit for Night Use
- Standard 9-Volt Battery Operation
- Two Adjustable Test Stops
- Peak Hold Feature Saves Maximum Reading



## Valve Spring Tester

Part # 100058

- Capacity 1,000lb (500kg)
- Portable Digital Force & Travel Indication
- 4" (100mm) Travel
- Accuracy  $\pm 0.25\%$  of Reading
- Standard 9-Volt Battery Operation
- Peak Hold Feature Saves Maximum Reading
- Push-Button On/Off & Zero
- Excellent for Valve, Clutch, Shock & Pressure
- Relief Springs up to 2" (50mm) in Diameter
- Readout in 0.2lb (kg) Increments
- Backlit for Night Use

**Accuracy:  $\pm 0.25\%$  of reading.**

**Capacity range: 0-1,000lb (500kg)**



## Combination Digital Leak Down/Compression Tester w/Case

Part # 170134

- Repeatable Accuracy for Engine Cylinder & Fuel Injector/Barrel Valve Leak Down Percentages
- Reads to 400PSI
- Locking Regulator Allows Incoming Air Pressure Adjustment
- Intake Air Pressure & Hose Length will Not Affect Readings (Must have 90PSI Input Pressure)
- Meets FAA Standards for Leak Down Testing Engines up to 5.00-Inch Bore
- Optional Hoses Available

**System Includes:**

- 14mm Leak Down Hose
- 14mm Compression Hose



Compression Mode



Leak Down Mode



## Air Density Gauge w/Case

Part # 360093

- Measures Air Density, Air Temperature & Barometric Pressure
- Allows Proper Engine Tuning to Ensure Optimum Performance

## Digital Torque Wrench Tester

Part # 102028



**Accuracy:  $\pm 0.25\%$  of reading**  
**Range: 0-200ft lb/ 0-2,400in lb/0-271 Nm**

- Range of 0-200ft lb (0-2,400in lb or 0-271Nm)
- Peak Hold Feature Saves Maximum Reading
- Accuracy of  $\pm 0.25\%$  of Reading
- Push-Button Conversion from ft lb to in lb & Nm
- Accommodates 0.5" Torque Wrenches
- Standard 9-Volt Battery Operation
- Backlit for Night Use



**Shock, Spring & Torque Testers**

## Recommended by the Leading Spring Manufacturers in the World

### Digital Coil Spring Tester

Part # 100059 5,000lb (2,500kg) Capacity

Part # 100061 2,000lb (1,000kg) Capacity

- 2,000lb (1,000kg) & 5,000lb (2,500kg) Capacities Available
- 4" (100mm) Travel
- Accuracy of  $\pm 0.25\%$  of Reading
- Portable, Digital Force with Travel Indication
- Standard 9-Volt Battery Operation
- Large 0.5" (13mm) Display
- Knurled Pressure Relief Knob
- Peak Hold Feature
- Quick, Single-Pin Vertical Adjustment
- Handles Flat/Coil-Over Springs up to 6" (150mm) in Diameter & 18" (457mm) High, with 30" (760mm) Optional

**Accuracy  $\pm 0.25\%$ .**

**Capacity range: 0-5,000lb (2,500kg) & 0-2,000lb (1,000kg)**

**Travel: 4" (100mm)**



### Hub-Mounted Corner Weight Scale

Part # 102030 5 x 5

Part # 102033 Wide-5

Part # 803039 Wide-5 Plate

Part # 803040 5 x 5 Plate

- Minimum Height of 8.5" (216mm)
- Maximum Height of 12.5" (318mm)
- 1,500lb (750kg) Capacity
- Accuracy of  $\pm 0.25\%$  of Applied Load
- Change Springs at the Track Without Affecting the Corner Weights & Percentages
- Great Performance on Asphalt or Unimproved Surfaces

**Minimum Height: 8.5"**

**Maximum Height: 12.5"**

**Capacity: 1,500 x 1lb**

**Accuracy: 0.25% of applied load**



Mike Spaulding,  
USMTS

### Coil-Over Spring Tester

**Check Coil Bind, Bump Stops, & Rod Pressure**

Part # 100063 5,000lb (2,500kg) Capacity

- Rates Standard Coil Springs & Coil-Over Setups
- Check Bump Stops & Coil Binds
- 6" (152mm) Jack Travel with 8" (203mm) Digital Travel Indicator
- Check Shocks with Coil-Over Springs to over 28" (711mm)
- Includes Two Plates with 0.5" (13mm) Holes for Shock Mounting
- Holds Shocks in Place Using Two Pins with Measuring Capabilities

**Option:**

**Part # 110059**

**5/8" Shock**

**Mounting Plate Set**



### Digital Leaf Spring Tester

Part # 100453

- 2,000lb (1,000kg) Capacity
- Readout in 0.1lb (kg) Increments
- Measures Up To 4" (100mm) of Travel
- Electronic, Digital Indicator
- Springs are Rated as they are Positioned in the Car, with One End Fixed & Free at the Other Two Points
- Tests Springs up to 58" (1473mm) in Length
- Backlit for Night Use



### Fork Spring Tester Retrofit Kit

Part # 100062

- 200lb (100kg) Capacity
- Accuracy of  $\pm 0.25\%$
- Quick & Easy Retrofit from Coil Spring to Fork Tester
- Standard 9-Volt Battery Operation
- Handles Up to 2" (48mm) Diameter & 36" (914mm) Long Fork Springs
- Readout in 0.1lb (kg) Increments

**Accuracy:  $\pm 0.25\%$ .**

**Capacity range: 0 - 200lb (100kg)**



Designed to work with  
Intercomp's Digital Coil  
Spring Tester

### Digital Torsion Bar Tester

Part # 100451 - 48 inch

Part # 100451-A - 30 inch

- Measures Twist of Torsion Bars to  $\pm 25^\circ$
- Measures Force at a Specific Degree of Twist up to 2,000ft lb
- Works with Bars 18" (457mm) to 48" (1219mm) in Length and Splines 7/8" (22mm) to 2" (5mm) in Diameter
- Custom Spline Adapters Available

**The industry's first  
tester that can accurately  
rate a torsion bar.**

**Specify spline size  
when ordering.**



(1) Set of  
adapters  
included





**Pyrometers & Infrared Guns**

# Pyrometers

*Tire & Brake Temperatures Tell the Story!*

Tire & brake temperatures are the best indicator of how a chassis is handling, but it is critical that this key information be gathered as rapidly as possible.

## Standard Features:

- Displays All Four Tire Averages
- Displays Tire Temperatures Simultaneously (Outside, Middle & Inside of Each Tire)
- Stores 10 Sets of Tire &/or Brake Temperatures
- Displays 14 Tire Temperatures (Four per Front Wheel, Three per Rear Wheel)
- Displays 4 Brake Temperatures & Calculates Front/Rear Bias
- Measures Tire & Brake Temperature in any Sequence
- Backlit Display
- Standard RS232 Output to Computer or Printer
- Enter Tire Temperatures Automatically via the Tire Probe, or Manually via the Keypad
- Tire Temperatures may be Read in Either Fahrenheit or Celsius
- Type K Mini Tire Probe
- Standard 9-Volt Battery Operation
- Temperature Readings Downloadable to PC
- Includes Case

**Doubles as a 4-car, 100 lap, timing system with memory for easy recall!**

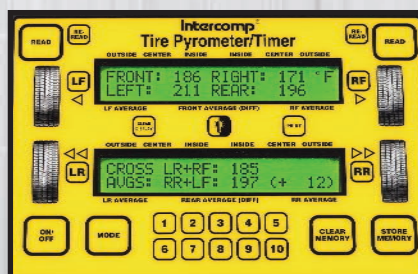
INTERFACES WITH RACE CAR  
MANAGEMENT SOFTWARE  
PART # 102065-R  
PAGE 27

Part # 170136 - Serial Cable, Pyrometer to Computer  
Part # 920176 - USB Converter for Pyrometer  
(For Use with Serial Cable 170136)

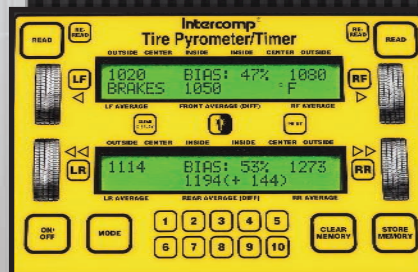


Part # 102034

## Custom Displays



## Tire Temperature



## Brake Temperature

**Automatically Calculates & Displays Front/Rear & LF+RR/RF+LR Cross Averages, No Scrolling Required**

### TIRE TEMPS IN DEG F

	INSIDE	CENTER	OUTSIDE
LF:	211	213	213
LR:	213	213	202
RF:	161	170	150
RR:	182	185	180

LF AVG: 212 DEG F  
LR AVG: 209  
RF AVG: 160  
RR AVG: 182  
FRONT AVG: 186  
REAR AVG: 196 (+ 10)  
LEFT AVG: 211 (+ 40)  
RIGHT AVG: 171  
CROSS LR+RF: 185  
AVGS: RR+LF: 197 (+ 12)

### BRAKE TEMPS IN DEG F

BRAKE/TIRE TEMPS IN DEG F  
LF: 1020  
LR: 1114  
RF: 1080  
RR: 1273  
FRONT AVG: 1050  
REAR AVG: 1194 (+144) 53%  
LEFT AVG: 1067  
RIGHT AVG: 1177 (+110)  
CROSS LR+RF: 1097  
AVGS: RR+LF: 1147 (+ 50)

## Optional Spare Probes:

TYPE K Tire Probe - 1,500°F (815°C)  
Part # 360025

TYPE K Brake Probe - 2,000°F (1,093°C)  
Part # 360022

## Deluxe Pyrometer w/Tire Probe & Case

Part # 360012 w/Case

- Temperature Range of 0°-1,500°F (-18°-815°C)
- Coiled Probe Cord
- Hold Feature
- Indication in 1° or 0.1° Increments
- Displays in °F or °C
- Indication to 2,000°F (1,093°C) with Optional Brake Probe

**Memory Tire/Brake Pyrometer**  
Accessories page 29

## Handheld Memory Lap Timer

Part # 360100

- Time up to 4 Cars at Once with Lap Count
- 100 Lap Memory
- Backlit Display
- Compact & Feather Light
- Standard 9-Volt Battery Operation

HANDHELD LAP

***CAR #1***	LAP 1:	1 min 2.56 sec
	LAP 2:	1 min 12.67 sec
	LAP 3:	1 min
	LAP 4:	1 min
	up to 100 laps	
LAP 100:	2 min	
***CAR #2***	LAP 1:	1 min
	LAP 2:	1 min
	LAP 3:	1 min



INTERFACES WITH RACE  
CAR MANAGEMENT  
SOFTWARE  
PART # 102065-R  
PAGE 27



Voted MOST  
ACCURATE in the  
Industry!





### Infrared Laser Temperature Gun w/Pouch

Part # 360018-E

- -58° - 1,022°F (-50° - 550°C)
- Accuracy  $\pm 2\%$  of reading
- Resolution 0.1°
- Backlit LCD Display
- Standard 9-Volt battery

### Digital Shock Inflation & Pressure Gauge

Part # 100675 w/Case



**0.5 PSI  
Increments**

**Great for Race  
Cars, Motorcycles,  
Snowmobiles & ATVs**

### Mini-Infrared Laser Temperature Gun

Part # 360084-E

- -22° - 518° F (-30° - 270°C)
- Accuracy  $\pm 2\%$  of reading
- Resolution 0.1°
- Backlit LCD Display
- Two Standard AAA Battery Operation



- Allows Quick & Easy Pressure Settings to 300 PSI (21 BAR)
- 0.5 Increments
- Selectable in PSI, BAR, Kg & CM<sup>2</sup>
- Compatible with Most Shocks
- Thumb-Operated Bleeder Eliminates the Need to "Crack the Seal" to Achieve Desired Pressure
- Comes Standard with "Schrader" Valve Adapter for the Penske-Style Valve
- Needle Adapter for Ohlins-Style Valve is Available

**Part # 100678 Adapter for Needle Valve**

### Analog Shock Inflation & Pressure Gauge

Part # 100675-A



- Measures Pressure in PSI & BAR
- Pressure Range of 0-300 PSI & 0-20 BAR
- Liquid Filled
- Measured in 10lb PSI Increments & 1lb BAR

### Billet Digital Depth Gauge

Part # 102081

- Measures Depth in 0.0005" & 0.0127mm Increments
- Depth Range of 0-0.25" (0-6.35mm)
- Zero Accuracy of  $\pm 0.001$
- Billet Aluminum Base Construction
- Four Point Cad/Cam Design
- Large 0.5" Digital Display
- Includes Case



### Sound Level Meter w/Case

Part # 360015

- Compact Meter with Digital Display
- Battery Operated
- Self-Calibrating
- Type 2 Range (35-130db)
- Peak Hold Feature
- Variable Response Time
- Monitor Noise Levels to Comply with Regulations



### Tire Durometer

Part # 360092

- Adjustable Face to Zero
- Type A Removable Tip
- Reads from 0-100

### Tire Durometer/Tire Tread Depth Gauge Set

Part # 360110

### Tire Tread Depth Gauge

Part # 360109

- Measures Tire Wear in 1mm & 1/32" Increments
- Aluminum Construction
- Pouch



**Air Pressure Gauges**

# Deluxe Air Pressure Gauges

## Analog Pressure Gauges

Description	Part Number	Specifications
<b>Deluxe Air Gauge</b>	360062	2" 0-15 x 1/5 PSI
	360063	2" 0-30 x 1/2 PSI
	360064	2" 0-60 x 1 PSI
	360065	2.5" Liquid-Filled, 0-15 x 1/5 PSI
	360066	2.5" Liquid-Filled, 0-30 x 1/2 PSI
	360067	2.5" Liquid-Filled, 0-60 x 1 PSI
	360068	2.5" Glow-in-the-Dark, 0-15 x 1/5 PSI
	360069	2.5" Glow-in-the-Dark, 0-30 x 1/2 PSI
	360070	2.5" Glow-in-the-Dark, 0-60 x 1 PSI

## Ultra Deluxe Air Gauge

Part Number	Specifications
360058	4" Glow-in-the-Dark, 0-15 x 1/2 PSI
360059	4" Glow-in-the-Dark, 0-30 x 1 PSI
360060	4" Glow-in-the-Dark, 0-60 x 1 PSI
360078	4" Glow-in-the-Dark, 0-100 x 1 PSI
360071	4" Glow-in-the-Dark, 0-1 x .02 BAR
360072	4" Glow-in-the-Dark, 0-2 x .05 BAR
360073	4" Glow-in-the-Dark, 0-4 x .10 BAR



## Fill, Bleed & Read Air Pressure Gauges

- Attaches Directly to your Air or Nitrogen Hose
- Includes High-Quality 4" (100 mm) Pressure Gauge with Rubber Protective Boot
- 22" (559 mm) Goodyear Hose with Swivel Nozzle
- Industrial-Grade Bleeder Valve

Part Number	Specifications
360086	4" 0-30 x 1 PSI
360087	4" 0-60 x 1 PSI
360088	4" 0-100 x 1 PSI
360089	4" 0-2 x .05 BAR
360090	4" 0-4 x .10 BAR

## Combination Bleeder Valve, Fill, Bleed & Read Gauge

*Bleeder & Adapter not Included*

0-30 PSI/ 4" GLOW DIAL  
Part # 360096

0-60 PSI/ 4" GLOW DIAL  
Part # 360099



## Bleeder Valve Adapter

Part # 170144



*The air chuck never  
leaves the valve stem*



Part # 360094 w/Case  
Reads to 150.0 PSI

Part # 360094-BC  
with Ball Chuck

## Digital Fill, Bleed & Read Air Pressure Gauge

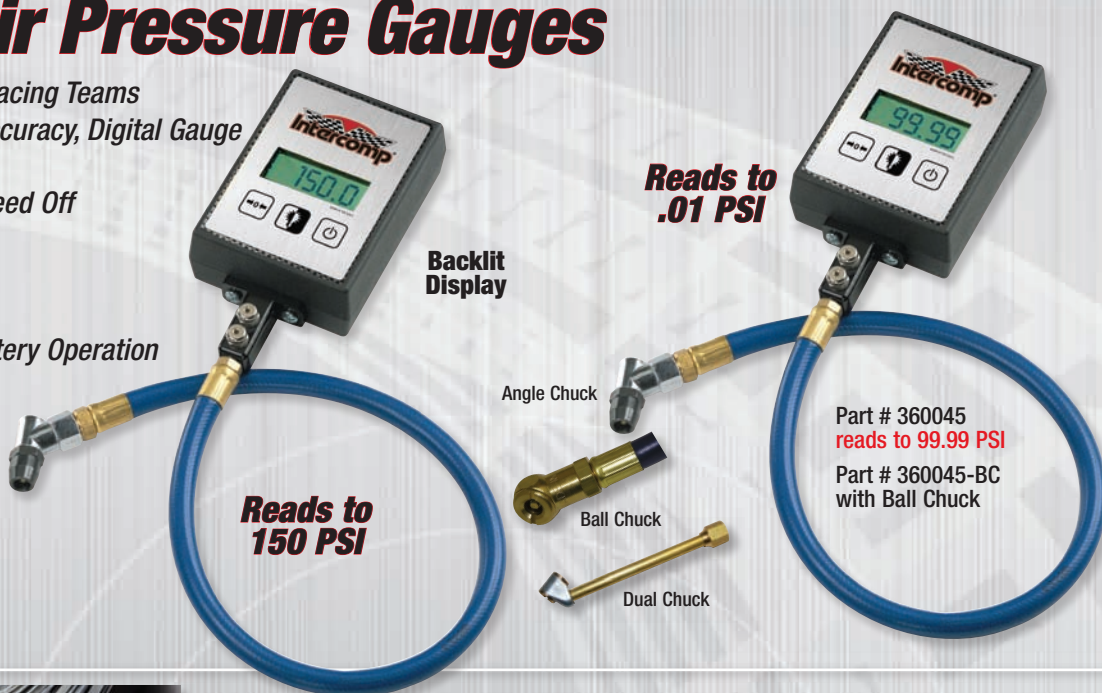
- 0-150 PSI (0-10 BAR)
- Readout in 0.1 Increments
- Delivers Unsurpassed Accuracy via the Digital Controller
- Selectable in PSI, BAR & Kg/Cm2
- Available with Ball or Angle Chuck



## Factory Certified Digital Air Pressure Gauges

- Used by Most Top Racing Teams
- Ultra-Quick, High Accuracy, Digital Gauge
- Giant, 0.5" Display
- Thumb Operated Bleed Off
- Dual Bleeders
- 22" Goodyear Hose
- PSI, BAR, & kg/cm<sup>2</sup>
- Standard 9-Volt Battery Operation
- Includes Case

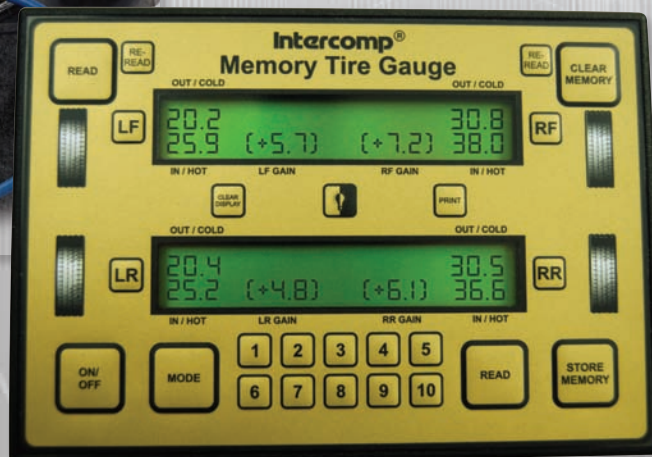
Part # 360045-150  
reads to 150.0 PSI  
Part # 360045-150-BC  
with Ball Chuck  
Part # 360045-150-D  
with Dual Chuck



### MEMORY AIR PRINTOUT

INTERCOMP, U.S.A.  
TEL: 763-476-2531

	COLD	HOT	DIFF.
LF	22.2	24.6	+2.4
LR	22.2	24.6	+2.2
RF	31.1	33.3	+2.2
RR	31.0	33.3	+2.3



INTERFACES WITH RACE CAR  
MANAGEMENT SOFTWARE  
PART # 102065-R  
PAGE 27



## Memory Tire Pressure Gauge

Part # 102058  
Dual Display for Easy Viewing  
of All Pressures

- Backlit Display
- Standard 9-Volt Battery Operation
- Reads to 0.1 PSI
- Compensates for Barometric Pressure Changes
- Stores Pressure OUT/COLD, IN/HOT & Calculates GAIN
- Stores 10 Complete Sets of Pressures IN/HOT, OUT/COLD & GAINS
- Standard RS232 Output
- PSI, BAR & Kg/CM<sup>2</sup>
- Maximum Pressure 100 PSI

**Intercomp**  
RACING SYSTEMS



Rickie Jones  
NHRA Pro Stock



**Lap Timers & Meters**

# Lap Timers

*The easiest to use & most compact  
lap timer in the industry!*

## Features & Benefits:

- **Small & Lightweight:** The On-Board Display Unit is 4" w X 2.5" h X 0.8" d, & Weighs Only 8 Ounces.
- **One Button Operation:** Every Function is Accessed with a Single Button.
- **250-Lap Memory:** Store Laps Cumulatively Over The Course of a Weekend for Later Recall, or Clear Lap Times After Each Session. Records Individual Lap Times up to One (1) Hour in Length & Displays Laps in Hundredths of a Second.
- **Indicates Lap Number Every Lap.**
- **Backlit Display:** Allows for Reading & Recording Lap Times in Overcast, Indoor & Night Time Conditions.
- **Serial Output:** Send Lap Time Data to a Printer, Computer or Data Logger. Selectable Baud Rates.
- **Blanking Time:** User-Adjustable, Eliminates False Triggers or Hits from Other Beacons.  
*For Example:* If the best "achievable" lap time is 20.39 Seconds, set blanking at 20 seconds. When the unit begins timing each lap, the on-board display "Sleeps" during the blanking period (20 seconds in this case), ignoring all Beacon signals it encounters. When the blanking time expires, the on-board Display "wakes up" to accept the next beacon signal.
- **Sensitivity:** User-Adjustable to Suit Unusual Distances Between the Beacon & On-Board Display Unit.
- **Recall of Factory Default Settings:** Automatic Recall of Factory Default Blanking & Sensitivity Settings.
- **Easy Installation:** No Hardwiring! Easily Installed with Velcro Strips.
- **Standard Batteries:** The On-board Display Operates for Up to 200 Hours on a Single 9-Volt Battery. The Beacon Operates Up to 40 Hours on Four AA Batteries.

*View lap times as they happen –  
right from the driver's seat!*



Lap Timer System with Case  
Part # 360050

## Lap Timer Accessories

Additional On-Board Display Unit	Part # 500396
Additional In-Field Beacon	Part # 500397
Lap Timer with Printer, Cable & Case	Part # 170145
Tape Printer with 120/220 Volt Supply (Specify)	Part # 340064
Cable, Lap Timer to Computer (9-pin) 6 ft/2 m	Part # 100781
Cable, Lap Timer to Printer (25-pin) 6 ft/2 m	Part # 100782
USB Converter for Lap Timer (For Use with Serial Cable 100781)	Part # 920176



**Interfaces with Race Car  
Management Software!**



Visit us online **intercompracing.com** or call us at **800-328-3336** USA **763/476-2531** Worldwide



# Race Car Management Software

**Record & Organize Chassis Data Like Never Before!**

Intercomp's Race Car Management Software organizes information for easy future interpretation & is the key to consistent on-track success. Intercomp's Windows-based Race Car Management Software provides the ability to systematically record & retrieve this all-important information, helping your team be more successful from week to week & track to track. Compatible with Windows® 2000, Windows® XP, Vista™ & Windows® 7.

**Race Car Management Software Accessories page 29**



## Primary Screens:

1. Chassis Geometry
2. Setup "Handling" Package
3. Weight & Balance
4. Track & Weather Conditions
5. Performance Analysis
6. Tire & Shock Management
7. Engine Information
8. Lap Timer



Part # 102065-R

- Direct Computer Interface with Intercomp Scale Systems
- Weight, Balance & Center of Gravity Calculator
- Complete Tire Temperature & Pressure Analysis
- Four Vehicle Timers with Complete Session/Race Analysis
- Search & Sort Setups by Selected Criteria
- Stack Complete Setup Records to Compare Parameters
- Print Detailed Easy-To-Read Reports
- Over 100 Pre-Installed Tracks with Specifications
- Comprehensive "How-To" Section with Tips & Help Screens
- Interfaces with Intercomp's SW500, SW650RFX, SW777RFX, SW8.8k, SW520 & Wireless Scale Systems
- Reads Data from Memory Pyrometer, Tire Pressure, & Lap Timer
- Download Additional Tracks & Information

**Intercomp's Race Car Management Software**  
**Interfaces with all of these Intercomp Racing Systems**

**SW500/SW650RFX/SW777RFX/  
SW8.8K/SW520 Scale Systems**  
Pages 5-7



**Lap Timer**  
Page 26



**Wireless  
Scale Systems**  
Pages 8-9



**Memory Tire  
Pressure Gauge**  
Page 25



**Memory Tire Pyrometer**  
Page 22

Tony Hunt  
USAC





**Test Equipment**



NTEP Class III  
Certified

**1,000lb x 0.5lb  
Graduation**

## CS750 Engine Weigher

Part # 100655

- 1,000lb (500 kg) Capacity
- Excellent for Weighing Engines, Dump Cans or General Chassis Fabrication
- 20-Bit A/D Converter Provides Highest Accuracy Available,  $\pm 0.1\%$  of Applied Load
- Large, 1" LCD Display & Infrared Remote Control Standard



## Wireless Gas Weigher

Part # 170193

- 400lb (200kg) Capacity
- 10" x 10" (254 x 254mm) Wireless RFX Billet Scale Pad
- USB & RS232 Output
- Ultra Light-Weight Platform Scale
- Designed to Weigh Dump Cans
- Digital Display
- Push-Button Zero
- AA Battery Operation



## Tire Humidity/Temperature Meter

Part # 360036

- Displays Relative Humidity (%RH) & Temperature in °F or °C within a Tire
- Includes Valve Stem Adapter

**Banner Racing**



**FASTER LAP TIMES**  
**Better Handling**

## Tire Tester

Part # 100345

- Force Capacity of 2,500lb (1,250kg)
- 12.5" x 12.5" (318 x 318mm) Tire Platform
- 4.9" (124mm) Total Travel
- Reduces Variability in Tires by Matching the Spring Rates
- Dial in Your Tire's Spring Rate to Optimize Handling Characteristics
- Backlit for Night Use



## Billet Gas Scale

Part # 100165

- 400lb (200kg) Capacity
- 10" x 10" (254 x 254mm) Platform
- Displays in 0.1lb Increments
- Ultra Light-Weight Platform Scale
- Designed to Weigh Dump Cans
- Digital Display
- Push-Button Zero
- Standard 9-Volt Battery Operation



## Tire Drying/Purging System

**Patent # 7,137,417**

Part # 102064

- No Electrical Source Necessary
- Easy-to-Use Tire Drying & Purging System
- Vacuum & Fill Four Tires Simultaneously in Minutes
- Vacuum Gauge Included
- Compact, Easily Transported System
- Transport on Supplied Cart or Mount in Trailer
- Uses Compressed Air or Nitrogen
- Controls Stagger Growth
- Limits Pressure Gain
- Reduces Tire Wear
- No Glazing of Tires

**(Tire Chucks Included)**







## Scale Cart

Part # 100346

- High-Quality Scale Cart with Wheels
- Strong & Light-Weight
- Carries all Four Pads, Cables & Controller
- Accommodates both 2.5" (64mm) & 4" (100mm) Profile Pads

**Dimensions:** 20.63" x 21" x 41.5"  
(524 x 533 x 1054mm)



## Scale System Accessories

### Replacement Cables

(Set of 4) for SW500/520/650R1/777 Cabled Scale Systems

Cable-RED	Part # 560036
Cable-GREEN	Part # 560038
Cable-BLACK	Part # 560035
Cable-WHITE	Part # 560037

Part # 170135

Cables, (Set of 4) for SW Deluxe

Part # 100506

Case, Foam Lined for Equipment

Dimensions: 13.5" x 10" x 3.75" (340 x 250 x 95mm)

Part # 100958

Case, Foam Lined for Equipment

Dimensions: 19" x 14" x 5.5" (482 x 355 x 140mm)

Part # 490146

120V/220V Transformer FOR CABLED SCALE SYSTEMS

Part # 260087

Thermal Printer for Wireless Scales (Operates 120/220 volt)

Part # 340105

Cable, Scale to Computer (9-pin) 6 ft/2 meter

Part # 170136

Cable, Scale to Printer

Part # 170137-C

Nicad Rechargeable Battery, (9-V) FOR CABLED SCALE SYSTEMS

Part # 330101

Battery Pack, (7.2-V) for SWI, SWII & SW Deluxe Scales

Part # 330010

Battery Pack, AA (Set of 4) FOR WIRELESS SCALE SYSTEMS

Part # 330142-4

Cable, USB FOR WIRELESS SCALE SYSTEMS

Part # 920146

USB Converter FOR CABLED SCALE SYSTEMS

(For Use with Serial Cable 170136)

Part # 920176

## Memory Tire/Brake Pyrometer Accessories

Cable, Tire Pyrometer to Printer

Part # 170137-C

USB Converter for Pyrometer (For Use with Serial Cable 170136)

Part # 920176

Serial Cable, Tire Pyrometer to Computer (9-pin)

Part # 170136

## Race Car Management Software Accessories

Cable, Scale to Computer (9-pin) 6ft/2 meter

Part # 170136

Cable, Lap Timer to Computer (9-pin) 6ft/2 meter

Part # 100781

Cable, Memory Tire Pyrometer & Memory Air Gauge to Computer (9-pin) 6ft/2 meter

Part # 170136

USB Converter for Lap Timer (For Use with Serial Cable 170781)

Part # 920176

USB Converter for Memory Tire Pyrometer & Memory Air Gauge

(For Use with Serial Cable 170136)

Part # 920176



## System Carrying Case

Part # 100055-R for 2.5" Pad System

Part # 100056-R for 4" Pad System

- ATA300 Approved Case with 12 Gauge Corners, Mil-Spec Latches & Handles
- Carries all Four Pads, Cabling & Controller

**Dimensions:**

Case for 2.5" (64mm) Profile Pads  
21" x 17.5" x 21" (530 x 445 x 530mm)

Case for 4" (100mm) Profile Pads  
30.75" x 17.75" x 21" (780 x 450 x 530mm)



## Scale Pad Case

for 2.5" (64mm) Scale Pads

Part # 490197

- Carries Four 2.5" (64mm) Scale Pads

**Dimensions:** 17.75" x 17.75" x 13.5"  
(450 x 450 x 343mm)



Mike Mans  
NHRA Super Stock



Apparel

Official Team Intercomp

# Racing Apparel



Part # 710005

**EMBROIDERED CAP**

Part # 710007

**EMBROIDERED PATCH**

Part # 710054

**5" x 5" (25 sq in) DECAL**

Part # 710018

**EMBROIDERED COTTON GOLF SHIRT**  
(Small, Medium, Large, X-Large, XX-Large)

Part # 710027

**LOGO'D COTTON RACING T-SHIRT**  
(Small, Large, X-Large)

Part # 710029

**LOGO'D COTTON RFX T-SHIRT**  
(Large, X-Large)

Part # 710019

**TEAM INTERCOMP JACKET**  
(Small, Medium, Large, X-Large, XX-Large)

Part # 710055

**Team Intercomp Banner**  
(3' by 6' Vinyl with brass eyelets)





## Order Information

New dealer/distributor accounts must submit a credit application signed & dated by a manager. Please contact us if you do not have one in your catalog.

**Order hours:** Monday thru Friday 8:00 A.M. - 5:00 P.M. Central Time  
**Toll Free:** (800)-328-3336 USA  
**Phone:** (763)-476-2531 Worldwide  
**Fax:** (763)-476-2613 Worldwide  
**Mail:** Intercomp Company  
3839 County Road 116  
Medina, Minnesota 55340 USA



**Shipping Options:** UPS, FedEx, Motor Freight & the USPS.

- Please note that products cannot be shipped by UPS, Motor Freight or FedEx to a PO Box.
- Freight charges are F.O.B. Medina, Minnesota USA
- Method of Payment: Visa, Mastercard, Discover, American Express & Money Order.

## Terms, Warranty & Return Policy

### Terms

All products listed herein are F.O.B. Medina, Minnesota 55340 USA. Terms are such as the company may extend to the purchaser. UPS is the standard mode of shipping. Shipping & handling charges are not included in the net prices. Insurance will be added to all orders shipped via UPS unless instructed otherwise. Intercomp shall not be liable for loss, damage, detention, or delay resulting from causes beyond its reasonable control or caused by fire, strike, civil, or military authority.

### Warranty

Subject to the terms & conditions as stated herein, Intercomp Company, (hereafter referred to as "Intercomp"), warrants its scales to be free from defects in material & factory workmanship for a period of twenty-four months, analog gauges for a period of three months, all other equipment twelve months from the date of shipment from Medina, MN USA.

### Terms & Conditions of Limited Warranty

This obligation is limited exclusively to defective original equipment manufactured or supplied by Intercomp & is subject to the inspection & analysis by Intercomp as to conclusively identify or confirm the nature & cause of failure. Intercomp's responsibility is confined to repair, replacement or credit & does not extend coverage to labor, material or service charges involved in removal or installation of equipment.

Defective components mechanical or electrical, will be repaired or replaced at Medina, Minnesota, provided the user ships the equipment freight prepaid to Medina, Minnesota, in accordance with the Intercomp return to manufacturer authorization procedure. Intercomp is not responsible & will not be held liable for losses, injury or damage caused to persons or property by reason of the installation of Intercomp products or their mechanical failure.

This warranty is not applicable for expenses either direct or consequential that may arise for the use of or inability to use these products.

### Statement of Limited Warranty

This warranty shall not apply to equipment which:

- Has had repairs or modifications not authorized by Intercomp which in Intercomp's judgement has affected the performance or reliability.
- Has been subject to misuse, negligent handling, improper installation, accident, damages by fire, water or act of God.
- Has had serial numbers altered, defaced or removed.

### Freight Carrier Damage

Claims for equipment damaged in transit must be referred to the freight carrier. Visible damage should be reported immediately. Concealed damage as soon as possible or in any case, within ten (10) days of receipt of shipment, in accordance with freight carrier regulations.

### Return of Standard Equipment

At Intercomp, we want you to be completely satisfied with any product purchased from us. If it does not work, or is not correct, return it freight prepaid for full credit or replacement less shipping, within 30 days of delivery from Intercomp. We may, at our option, assess a restocking charge if the equipment was:

1. Not correctly specified for the application intended.
2. Damaged beyond reasonable recovery.

The restocking charge is directly proportional to the amount of time & material expense required by us to return the item to resale condition. If an item was held in excess of 30 days, a minimum restocking charge of 15% will be assessed.

### Return Procedure

When returning equipment for repairs these simple steps will help to expedite your request:

1. Call 800-328-3336 or 763-476-2531 & ask for the Customer Service Department. A Service Team Member will issue you an (RMA) Return to Manufacturer Authorization Number. Goods received without an RMA# may be refused.
2. Provide a written description of the problem you are experiencing & enclose it with the shipment.
3. Please write the RMA# on the outside of the package to help us speed your package through our receiving process.
4. Provide Proof of Receipt sending original dated receipt with product return.

***We Service & Calibrate All Intercomp Products  
Regardless of Age or Condition***

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Wireless Scale Systems	2,5,6,8,9,12,28



# ***The Choice of Champions!***

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