

900 MHz DIGITAL LINK WIRELESS CRANE SCALE SYSTEM

THE EFFICIENT SOLUTION FOR REMOTE WEIGHT MONITORING

The **2050C Series** Wireless Load Cells broadcast data via Digital 900 MHz link, affording the transmitters a range of up to 500 feet with exceptional electromagnetic field immunity. The 900 MHz digital link does not require FCC license making it adaptable in almost any commercial environment.

Flexibility of our systems let you choose the right model and weighing capacity you need — ranging from 250 to 10,000 lb / 125 to 5,000 kg. Larger capacities available, contact factory for details. Front panel setup and calibration enhance ease of operation.

Auto power activation and efficient transmitting circuitry provides 375 hours of continuous operation with infinite standby time.



Features

- ATi** 900 MHz Digital Link – No License Required.
- ATi** Immune to Electromechanical Interference.
- ATi** Available in most any capacity.
- ATi** Multiple shackle and hook options available.
- ATi** Automatic Power Activation Option turns on power to the RF Transmitter based upon shock or vibration, conserves battery life.
- ATi** Multiple update rates available to optimize the battery life for your application.
- ATi** 375 Hrs Battery life continuous run-time.
- ATi** Infinite Standby Time.
- ATi** Range up to 500 feet.
- ATi** Customized units available.
- ATi** 5:1 safe overload factor.
- ATi** Telemetry Equipped, no cable runs from sensor to readout.

Specifications

Receiver: Model 2025BP-900

Carrier Frequency 903 to 921 MHz
 Range 500 Feet (line of site)
 Power 120 Volts AC
 or 12 Volts DC
 Output +/- 2 Volts
 Optional RS-232, USB
 Other Outputs Available
 Output Ripple < 2 mV (Filtered)
 Display 4 ½ Digit Backlit LCD
 Size 5.5"L x 4.2"W x 2.5"H
 Maximum Error <0.25% Full Scale
 Operating Temperature ... -20 to 60 °C
 Storage Temperature -40 to 80 °C

Other Specifications

Bandwidth Up to DC to 2 KHz
 Integral Non-Linearity +/- 0.10%
 Repeatability +/- 0.05%
 Resolution 14 bits
 Maximum Error <0.25% Full Scale

Model 2050C Wireless Load Cells

Power 6 "D" Cell Batteries
 Optional Internal Rechargeable Battery Pack*.
 *Extra battery and intelligent charger included.
 Battery Life 375 Hours of Continuous Operation
 Infinite Standby Time
 Auto Power Activation Sleep Mode after 5 minutes
 Carrier Frequency 903 to 921 MHz Digital Link
 RF Output 10,000 µV/M @ 3M
 Zero Drift 0.02% / °C
 Span Drift 0.02% / °C
 Overload Capacity 5:1
 Bridge Resistance 350 Ω
 Full-Scale Output 2 mV/V nominal

Model Number	Capacity*	Construction	Excitation	Operating Temperature Range
2050D-500	500 LBS X.1	Stainless Steel; Aluminum Enclosure	5 Volts DC	-20 to 70 Deg C
2050D-1K	1000 LBS X.1	Stainless Steel; Aluminum Enclosure	5 Volts DC	-20 to 70 Deg C
2050D-5K	5000 LBS X1	Stainless Steel; Aluminum Enclosure	5 Volts DC	-20 to 70 Deg C
2050D-10K	10,000 LBS X1	Stainless Steel; Aluminum Enclosure	5 Volts DC	-20 to 70 Deg C

*Other ranges available upon request. Contact us with your requirements.