

Model 2000 Series Radio Telemetry System

吊車吊環無線量測系統



● Crane Scales

產品特色

- ✦ 900 MHz 數位傳輸
- ✦ 有抗雜訊裝置，不會受到商業頻道干擾。
- ✦ 適用各種電容範圍。
- ✦ 振動感應裝置，透過感應些微的振動，系統會自動會對發射器供電。
- ✦ 電池可作 375 小時的連續不中斷量測。
- ✦ 無限制的電池準備狀態。
- ✦ 最長可量測 500 英尺高的吊臂。
- ✦ 5:1 的過載比例。
- ✦ 無線裝置，沒有架設冗長訊號傳輸線的困擾。

2050C 系列無線量測系統可將荷重元量到的訊號以數位 900 MHz 的傳輸，最遠可量測 500 英尺高吊臂上的吊環，本系統不需經過美國聯邦 FCC 的許可，因為輸出功率低，也不會受到商業頻道及電磁波的干擾。

量測範圍為 125 公斤~5,000 公斤，原廠也提供更大量測需求的客製化服務。參數的設定及校正功能都可透過遠端的操作面板作簡單的操作。

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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.