



TRUST-LIFT WIRELESS



Wireless Digital Force Gauge

TLW-102

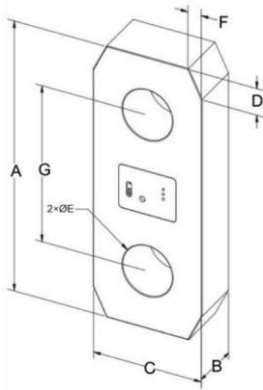
The TLW-102 is a very popular digital force tension sensor that is used with the company's handheld meter (HHD-WL039) or other receivers. It can remotely monitor gravity or tension through wireless data transmission. The product is widely used in port logistics, ship transportation, fishing boat monitoring, ship construction and maintenance and other applications.

Features and advantages

- Wireless transmission distance > 200m;
- Available in Capacities ranging from 1 to 500T;
- Battery life of up to 30 hours;
- IP67, which can operate normally in a harsh environment;
- Can work normally in the range of -25°C to 60°C;
- The sampling rate is 80Hz, the sampling accuracy is better than 0.1%, the sampling linear is better than 0.1%;



Dimensional Data



Part Number	Load Capacity (Tonnes)	External dimensions						Material	Weight (Kg)	Shackles (US standard)
		ØE	A	B	C	G	D			
TLW-102-12T	12T	53	340	60	125	215	40	Alloy steel	15KG	Crosby-G213-12T
TLW-102-25T	25T	53	340	60	125	215	40	Alloy steel	15KG	Crosby-G213-25T
TLW-102-35T	35T	60	370	70	140	225	40	Alloy steel	22KG	Crosby-G213-35T
TLW-102-50T	50T	73	400	75	160	230	40	Alloy steel	30KG	Crosby-G209-55T
TLW-102-75T	75T	73	440	80	180	260	60	Alloy steel	39KG	Crosby-G2140-85T
TLW-102-100T	100T	99	540	100	220	320	60	Alloy steel	74KG	Crosby-G2130-120T
TLW-102-200T	200T	125	650	140	300	350	80	Alloy steel	173KG	Crosby-G2140-200T
TLW-102-300T	300T	156	750	150	350	350	100	Alloy steel	242KG	Crosby-G2140-300T
TLW-102-400T	400T	183	850	180	400	400	120	Alloy steel	373KG	Crosby-G2140-400T
TLW-102-500T	500T	196	900	200	450	450	450	Alloy steel	488KG	Crosby-G2160-500T



ISVASIA SINGAPORE PTE LTD

23 Tuas Avenue 13, #01-08 Singapore 638990 ☎: +(65) 6250 5355

✉: sales@isv.com.sg website: www.isv.com.sg (www.buyscale.com.sg)



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Wireless Accessories



Handheld wireless force measuring meter

HHD-WL039

To receive and show the data transmitted by the wireless transmitter, the alarm points or upper and lower limit comparison, peak and valley value comparison, creep tracking and other functions can be set to monitor the real-time data of the sensor.

Features and advantages

- Wireless communication: Can receive 7 wireless signals simultaneously for processing
- Communication: RS485 communication, using the standard Modbus-RTU protocol, ASC active upload protocol, HEX active upload protocol;
- Communication distance: Wireless communication straight-line distance up to 800m (in a clear, open environment)
- 3200 mAh lithium battery, fully charged sustainable work for 12 hours;
- Temperature: Operating environment -20°C to 50°C, temperature drift less than 20ppm
- Housing protection: IP65;



Wireless receiver module

WRM001R-A/B

Receive and process data transmitted by the wireless transmitter, such as calibration operations, and transmit it to the PC or PLC via RS485.

Features and advantages

- Wireless communication: Can receive 7 wireless signals simultaneously for processing
- Communication: RS485 communication, using the standard Modbus-RTU protocol;
- Voltage: 5V or 24VDC power supply, choose one of two
- Communication distance: Wireless communication straight-line distance up to 800m (in a clear, open environment)
- Temperature: Operating environment -20°C to 50°C, temperature drift less than 20ppm
- Housing protection: IP65;



A USB wireless receiver

USBWR001R

Receive and process data transmitted by a wireless transmitter with a USB transfer connector that can be then directly inserted into the PC to display or process transmitted data on the PC.

Features and advantages

- Wireless communication: Can receive 7 wireless signals simultaneously for processing
- Communication: Use the standard Modbus-RTU protocol
- Voltage: 5 VUSB power supply
- Communication distance: Wireless communication straight-line distance up to 800m (in a clear, open environment)
- Temperature: Operating environment -20°C to 50°C, temperature drift less than 20ppm