

TM series

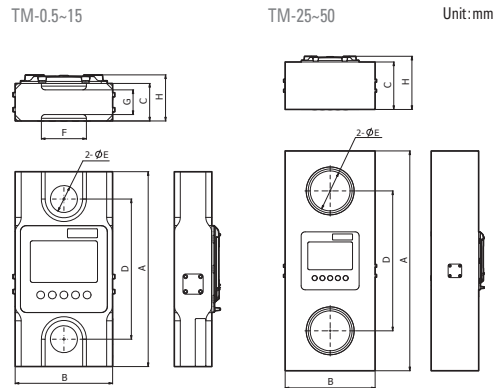
Tension Meter



Specifications

Model	TM Series							
Max. Capacity(kg)	500	1,000	3,000	5,000	10,000	15,000	25,000	50,000
Division(kg)	0.5	1	2	5	10	10	20	50
Accuracy	≤ 0.1% of full capacity							
Unit	kg, lb, N, kN(x1000N), daN, ton (Short ton or Long ton), x1,000kg (Metric ton)							
Safety Factor	3:1							
Power	4 AA size 1.5V alkaline batteries / 0.3-0.5W							
Battery operating time	Wire type: Approx. 500 hours / Wireless type: Approx. 44hours							
Display	5 digit LCD display/ Character height: 1.2inches(30mm)							
Operating Temperature	-20~60°C							
Protection Class	IP65							
Material	Aluminum				Steel			
Communication	Standard	RS-232C/RS-485/Setpoint(3 points)						
	Option	Bluetooth						
Wireless Communication Distance	Bluetooth: Max. 100m							
Options	Shackle, Carrying case							
Product Weight(kg)	2.3	2.3	2.5	3.3	12	18	22	40

Dimensions

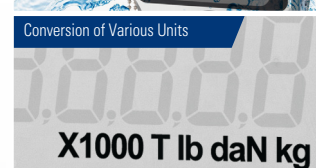


Model	TM Series							
Max Capacity(kg)	500	1,000	3,000	5,000	10,000	15,000	25,000	50,000
A(mm)	220	220	220	260	290	330	370	430
B(mm)	120	120	128	130	128	132	140	150
C(mm)	42	42	42	50	60	70	68	95
D(mm)	165	165	165	187	205	226	248	280
E(mm)	21	21	21	28	40	48	62	80
F(mm)	44	44	44	60	80	100	-	-
G(mm)	24	24	24	33	46	53	-	-
H(mm)	53	53	53	61	71	81	79	106
Product Weight(kg)	2.3	2.3	2.5	3.3	12	18	22	40
Crosby Shackle (Option)	G-2130 5/8"		G-2130 7/8"	G-2130 1-1/4"	G-2130 1-1/2"	G-2130 1-3/4"	G-2130 2-1/2"	
Shackle Weight (Pair, kg)	1.24		3.58	10.62	17.24	30.8	89.2	

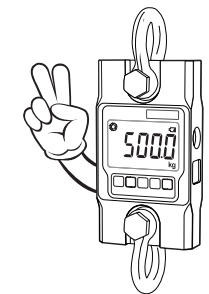
TM SERIES

Tension Meter

TM provides cost-effective and advanced solutions for monitoring and controlling overhead loads in various industrial applications such as shipyards, construction sites and shipbuilding yard etc. Designed to be durable, TM has an IP65 waterproof aluminum enclosure for protection against moisture, dust and rough usage.



Scan with your smartphone to see the TM introduction video.



Large LCD Display

IP65 Waterproof Enclosure

Conversion of Various Units

Features



IP65 waterproof aluminum enclosure

Built to withstand rugged, moisture and dusty environment

Large LCD display

Weights are easily viewed with large LCD display.
(letter height : 30mm)



Various Communication Interface

TM basically offers RS-232C, RS-485 and 3 Set-point ports and two optional wireless communications, Bluetooth or zigbee to be connected with external equipments.

- Wireless Communication via Bluetooth with Max 100m distance



<Wireless type>

Conversion of various units

kg, lb, N, x1000N (kN), daN, ton (Short ton or Long ton) and x1000kg (Metric ton)



Long battery operating time

Operates on 4 AA size 1.5V alkaline batteries for 500 hours in a wire communication and 44 hours in a wireless communication during continuous use



Bluetooth Communication to Wireless Indicator(TWN)

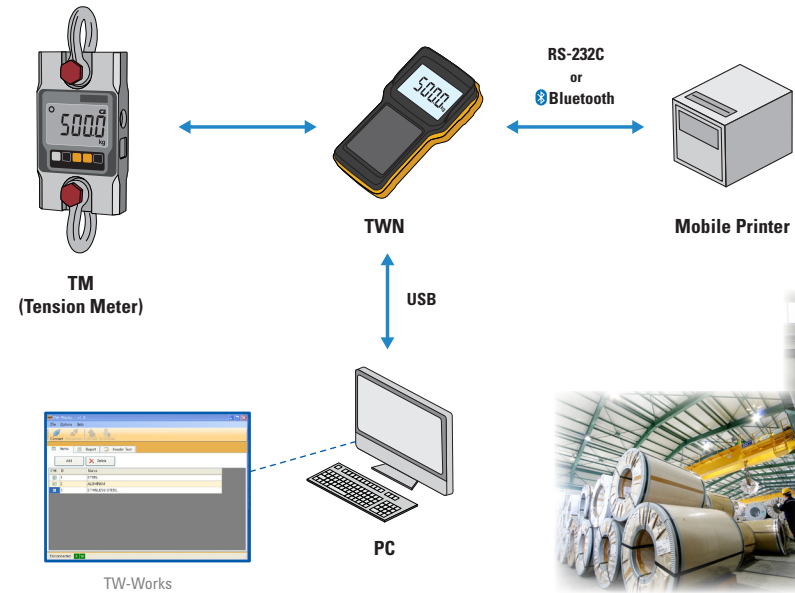
TM communicates with the TWN hand held wireless indicator via Bluetooth which offers greater control over functions while viewing the weight.



Tension Meter

TM communication

- Bluetooth wireless communication
- Connect the TWN to a PC which TW-Works is installed via USB to upload/download weighing data, Item No., Item Name and Header Text (for printing) (TWN↔PC)



Environments

Product Features

- Wide range of Capacities 500kg~50,000kg
- Conversion of various units
- kg, lb, N, kN(x1000N), daN, ton(Short ton or Long ton), x1,000kg(Metric ton)
- IP65 Waterproof aluminum enclosure
- Large LCD display(letter height:1.2inches, 30mm) to easily view weights
- 5 function keys for easy and simple operation
- Peak hold, set points for relay control and keypad setup
- Long battery operating time

Options

- Top and Bottom Shackle
- Portable carrying case(only for under 5 ton)