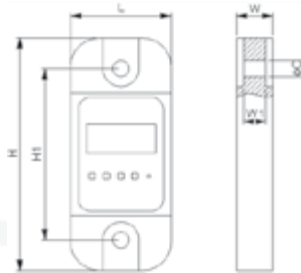




\* shackles & indicators optional



## OCSD Series

### FEATURES

- Fast resolution switching
- 25mm 5 digits LCD display w/ backlight
- Peak Hold function
- Accurate Class up to 0.1%
- 2 Programmable set-point
- Unit switch: kg / lb / t / N / kN
- Auto power-off function
- Matches with standard shackles
- Must have one of the indicators to calibrate and/or change parameters

### OPTION

- Wireless Indicator (P180)
- Wireless Handheld Indicator (P380)
- Indicator / Printer (P580)
- Galvanized shackle hook (SBX)
- Scoreboard (BD)
- Infrared Remote Control

Model	OCSD	OCSD
<b>Type</b>	Dynamometer	Dynamometer
<b>Accuracy Class</b>	OIML III	OIML III
<b>Enclosure</b>	Aluminum	Alloy Steel
<b>Display</b>	25mm LCD w/ Backlight	25mm LCD w/ Backlight
<b>Capacity Available</b>	1 / 2 / 3 / 5 t	10 / 20 / 30 / 50 / 100 / 200 t
<b>Battery Life</b>	50 Hours	50 Hours
<b>Battery</b>	3 x AA	3 x AA

Rated Capacity	Division	H	L	W	H1	W1	C	N.W.	SBX (shackle)
1t / 2Klb	0.5kg / 1 lb	245mm / 9.65"	112mm / 4.41"	37mm / 1.46"	190mm / 7.48"	25mm / 0.98"	20.5mm / 0.81"	1.6kg / 3.53 lb	3.25t
2t / 4Klb	1kg / 2 lb	260mm / 10.24"	123mm / 4.84"	37mm / 1.46"	195mm / 7.68"	30mm / 1.18"	24mm / 0.94"	2.1kg / 4.63 lb	4.75t
3t / 6Klb	1kg / 2 lb	260mm / 10.24"	123mm / 4.84"	37mm / 1.46"	195mm / 7.68"	30mm / 1.18"	24mm / 0.94"	2.1kg / 4.63 lb	4.75t
5t / 10Klb	2kg / 5 lb	285mm / 11.22"	123mm / 4.84"	54mm / 2.13"	210mm / 8.27"	34mm / 1.34"	27mm / 1.06"	2.7kg / 5.95 lb	6.5t
10t / 20Klb	5kg / 10 lb	320mm / 12.60"	120mm / 4.72"	54mm / 2.13"	230mm / 9.06"	-	41mm / 1.61"	10.4kg / 22.93 lb	13.5t
20t / 40Klb	10kg / 20 lb	375mm / 14.76"	128mm / 5.04"	71mm / 2.80"	260mm / 10.24"	-	54mm / 2.13"	17.8kg / 39.24 lb	25t
30t / 60Klb	10kg / 20 lb	420mm / 16.54"	138mm / 5.43"	79mm / 3.11"	280mm / 11.02"	-	60mm / 2.36"	25kg / 55.10 lb	35t
50t / 100Klb	20kg / 50 lb	465mm / 18.31"	150mm / 5.91"	101mm / 3.98"	305mm / 12.01"	-	74mm / 2.91"	39kg / 86 lb	55t
100t / 200Klb	50kg / 100 lb	570mm / 22.44"	190mm / 7.48"	129mm / 5.08"	366mm / 14.41"	-	99mm / 3.90"	91kg / 200.6 lb	120t
200t / 400Klb	100kg / 200 lb	720mm / 28.35"	265mm / 10.43"	180mm / 7.09"	440mm / 17.32"	-	135mm / 5.31"	210kg / 463 lb	Call

\*Dimensions and specifications are subject to change without notice.

DYNAMOMETER

## OCSD Series

### OCSD Indicator P180



#### FEATURES

- **Palm Size:** small size enclosure of only 28X70X90mm which is easy for carrying around
- **Wireless two way communication:** can do tare, zero scale, calibration and parameter setting
- **Display:** five 12mm high LCD digits with backlight which can show the status of battery power, tare, zero, peak and stable
- **USB Port:** equipped with USB port for easy connection and communication with PC
- **Power Supply:** power supply through USB connection or Lithium battery (included)
- **Operating Temperature:** -20°C to 60°C
- **Antenna:** concealed antenna as an integral part of the receiver
- **Updating Rate:** 12 times per second from load cell
- **Radio Frequency:** 2.4GHz wireless transmission of up to 70m distance and 128 available channels. 433MHz or 868MHz transmission frequency is available upon request

### OCSD Indicator P380



#### FEATURES

- **Hand Held Size:** the enclosure is 220X105X50 and is designed for comfortable handheld operation
- **Wireless two way communication:** can do tare, zero scale, calibration and parameter setting
- **Display:** five 25mm high LCD digits with backlight which can show the status of battery power, tare, zero, peak and stable
- **Battery:** four AA size alkaline batteries can allow 50 hours continuous operation
- **Set Points:** Two user programmable Set-Points can be used for safety and warning applications, or for weighing limit
- **Communication:** RS232 communication port is available for easy extract of data or printing operation, continuous output can drive a scoreboard
- **Operating Temperature:** -20°C to 60°C
- **Antenna:** concealed antenna as an integral part of the receiver
- **Updating Rate:** 12 times per second from load cell
- **Radio Frequency:** 2.4GHz wireless transmission of up to 70m distance and 128 available channels. 433MHz or 868MHz transmission frequency is available upon request

OCSD Series

DYNAMOMETER

OCSD Indicator  
P380-M



FEATURES

- **Connect Multiple Units:** Can connect up to 4 of OCSD Dynamometer
- **Display:** Multi line LCD display with backlight. Can display weighting data from each dynamometer (up to 4), the total weight of all dynamometers connected, which dynamometer is on PEAK HOLD and which one with TARE value on the same page.
- **Hand Held Size:** the enclosure is 220X105X50 and is designed for comfortable handheld operation
- **Wireless two way communication:** can do tare, zero scale, calibration and parameter setting
- **Battery:** four AA size alkaline batteries can allow 50 hours continuous operation
- **Set Point:** Two user programmable Set-Points can be used for safety and warning applications, or for weighing limit
- **Communication:** RS232 communication port is available for easy extract of data or printing operation, continuous output can drive a scoreboard
- **Operating Temperature:** -20°C to 60°C
- **Antenna:** concealed antenna as an integral part of the receiver
- **Updating Rate:** 12 times per second from load cell
- **Radio Frequency:** 2.4GHz wireless transmission of up to 70m distance and 128 available channels.

OCSD Indicator  
P580



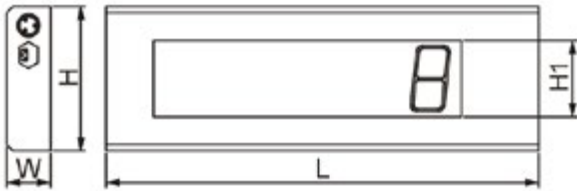
FEATURES

- **Portable Size with Printer:** the receiver is equipped with a printer and is designed for easy carrying in a leather bag provided
- **Wireless two way communication:** can do tare, zero scale, calibration and parameter setting
- **Display:** five 25mm high LCD digits with backlight which can show the status of battery power, tare, zero, peak and stable
- **Keyboard function:** can print data, time, serial number, commodity number, net weight and total weight, can take up to 16 digits heading information, and store up to 2,000 weigh records
- **Battery:** equipped with a high performance, SC type industrial Ni-H battery which can be recharged for 1,000 cycles, a fully recharged battery can provide 50 hours normal operation
- **Printer:** Fujitsu FTP-680 2" high speed thermal printer
- **CPU:** ARM based 32 bit MCU combines with high performance, real time capability, low power and low voltage operation
- **Communication:** both RS232 serial port and USB port are provided for flexible connection with laptops
- **Operating Temperature:** -20°C to 60°C
- **Antenna:** concealed antenna as an integral part of the receiver
- **Updating Rate:** 12 times per second from load cell
- **Radio Frequency:** 2.4GHz wireless transmission of up to 70m distance and 128 available channels. 433MHz or 868MHz transmission frequency is available upon request

\*Special order only. Different version of OCSD required.

## OCSD Series

### OCSD Scoreboard BD

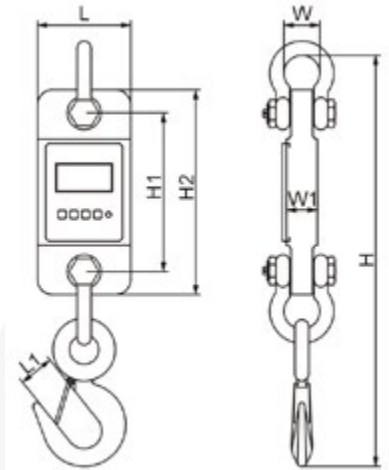


#### FEATURES

- **Dynamic scan flip-latching technology (BD3/5)**
- **High-lighted digital segment and broad eyesight with special optical filter film**
- **Display character:** 6-bit LED with character height 75mm (BD3 steel housing)
- **Display character:** 6-bit LED with character height 125mm (BD5 steel housing)
- **Temperature:** -10~40°C
- **Humidity:** ≤85%RH

Model	H (mm/in)	H1 (mm/in)	L (mm/in)	W (mm/in)
<b>BD3</b>	180 / 7.09	75 / 2.95	540 / 21.26	55 / 2.17
<b>BD5</b>	260 / 10.24	125 / 4.92	780 / 30.71	58 / 2.28

### OCSD Hook OCSD-HOOK-WLL



#### FEATURES

- **High quality 40Cr alloy steel**
- **Breaking load:** up to 400% rated capacity

OCSD Capacity	H (mm/in)	H1 (mm/in)	H2 (mm/in)	L (mm/in)
<b>1t</b>	485 / 19.09	190 / 7.48	245 / 9.65	112 / 4.41
<b>2t</b>	485 / 19.09	190 / 7.48	245 / 9.65	116 / 4.57
<b>3t</b>	555 / 21.85	195 / 7.68	260 / 10.24	123 / 4.84
<b>5t</b>	635 / 25.0	210 / 8.27	285 / 11.22	123 / 4.84
<b>10t</b>	840 / 33.07	230 / 9.06	320 / 12.6	123 / 4.72

OCSD Capacity	L1 (mm/in)	W (mm/in)	W1 (mm/in)	Hook Rated Capacity
<b>1t</b>	45 / 1.77	43 / 1.69	37 / 1.46	4.5t
<b>2t</b>	45 / 1.77	43 / 1.69	37 / 1.46	4.5t
<b>3t</b>	55 / 2.17	51 / 2.01	37 / 1.46	7t
<b>5t</b>	65 / 2.56	58 / 2.28	57 / 2.24	11t
<b>10t</b>	95 / 3.74	92 / 3.62	57 / 2.24	22t