

Wireless (Bluetooth Low Energy) Transmitter For Dimensional Measurement Gages

WiMER Comparison Table

Product ID		 WiMER1	 WiMER2	 WiMER3	 WiMER4A	 WiMER4D	 WiMER5	 WiMER6
		W1	W2	W3	W4A	W4D	W5	W6
Compatibility		Mitutoyo Instruments	Fowler Instruments	Mitutoyo Linear Gages LVDT	Mitutoyo Digital Protractor 950-318	Mitutoyo Digital Protractor 950-318	Encoders Optical/Magnetic Linear/Rotary	AC LVDT
Specifications								
Dimensions	2.50 x 1.63 x 0.80 in		4.09 x 2.20 x 0.91 in		2.50 x 1.630 x 0.80 in	1.97 x 0.98 x 0.61 in	4.09 x 2.20 x 0.91 in	
Data Transmission	Bluetooth Low Energy							
Wireless Data Rate	10 samples/sec	10 samples/sec	30 samples/sec	2 samples/sec		30 samples/sec		
Capturing Mode	Single/Continuous							
Transmission Range	20 m (indoors)/ 30 m (outdoors)							
Working Temperature	0-50°C							
Battery	Rechargeable 400 mAh	Rechargeable 400 mAh	Rechargeable 3200 mAh	Rechargeable 400 mAh	Powered by battery in protractor 9V	Rechargeable 3200 mAh	Rechargeable 3200 mAh	
Battery Life	60 hours	20 hours	30 hours		120 hours	30 hours (depending on encoder)	15 hours	
Hardware								
Data Cable	Optional	Optional	Not needed	✓	Not needed	Not needed	Not needed	
Data Trigger Switch	✓	✓	—	✓	—	—	—	
Foot Switch Connector Port (2.5mm)	✓	✓	—	✓	—	—	—	
USB Charging Kit	✓	✓	✓	✓	—	✓	✓	
BLE USB Dongle	Optional	Optional	Optional	Optional	Optional	Optional	Optional	
Compatible Instruments	Caliper Series 500, 551, 552, 573 Height Gage Series 192, 570, 574 Micrometer Series 277, 293, 314, 317, 323, 324, 326, 331, 342, 343, 369, 389, 395, 406, 422 Caliper Series 573 Dial Indicator Series 543 with SPC output Dial Indicator Series 575 Thickness Gage Series 546 Digimatic Caliper Gage Series 209 And more	Micrometer 54-815-xxxx Micrometer 54-866-xxxx Micrometer 54-870-xxxx Caliper 54-100-xxxx with data output Caliper 54-110-xxxx Dial Indicator 54-530-xxxx Test Indicator 54-562-xxxx And more	Linear Gage: 542-156, 157, 158, 161, 162, 163, 164, 165, 166, 171, 172, 173, 174, 175, 176 Linear Gage: 542-181, 182, 204, 222, 223, 224, 230, 244, 262, 264, 270, 401, 421, 612, 613 And more	Digital Protractor: Mitutoyo 950-318 PRO 360, PRO 3600	Digital Protractor: Mitutoyo 950-318 PRO 360, PRO 3600	Optical & magnetic encoders with 90° phase shift, differential square wave, RS422 (TTL) output	AC LVDT Gages (Linear variable differential transformers)	
	Free Software							
iOS iPhone/iPad/Apple Watch	✓	✓	✓	✓	✓	✓	✓	✓
Android 4.3 and after	✓	✓	✓	✓	✓	✓	✓	✓
Windows PC*	✓	✓	✓	✓	✓	✓	✓	✓
LabVIEW* Customizable	✓	✓	✓	✓	✓	✓	✓	✓

* Requires BLE USB dongle