



WM-6210

Wide Area CMM



*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model			WM-6210	
Camera unit	Measurement range (W × D × H)		10000 × 3500 × 5000 mm 393.70" × 137.80" × 196.85"	
	Camera unit rotation angle	Horizontal rotation	±120°	
		Vertical tilt	±30°	
	Minimum display unit	Distance	0.001 mm 0.00004"	
		Angle	0.001°	
	External input		2 non-voltage inputs	
	Communication	WLAN communication	IEEE 802.11 a/b/g/n/ac *1	
		Bluetooth communication	Bluetooth 5.0	
		USB communication	USB 3.0	
		Infrared communication	945 nm	
	Power supply		Supplied from dedicated AC adapter	
	Ratings	Rated voltage	24 VDC	
		Current consumption	4.5 A	
	Environmental resistance	Operating ambient temperature	0 to 40°C 32 to 104°F	
		Operating ambient humidity	Max. 80% RH (no condensation)	
	Weight		Approx. 7.2 kg 15.87 lb	
Contact probe	Probing system accuracy		±(28 + 5 L/1000) μm *2	
	Marker	No. of markers	7	
		Light source	870 nm	
	Applicable stylus		M5	
	Display	Display method	2.7-inch transmissive TFT color LCD	
		Resolution	320 × 240 pixels	
		Touch panel	Analog resistive	
	Communication	Bluetooth communication	Bluetooth 5.0	
		USB communication	USB 2.0	
		Infrared communication	945 nm	
	Power supply	Battery	Dedicated lithium-ion battery pack	
		Capacity	3250 mAh	
		Charging time	6.5 hours	
		Continuous usage time	Approx. 6 hours	
	Ratings	USB connection	Rated voltage	5 VDC
			Current consumption	1 A
		Battery operation	Rated voltage	3.63 VDC +10%/-1%

Laser-scanning probe	Current consumption		1.25 A
	Environmental resistance	Operating ambient temperature	0 to 40°C 32 to 104°F
		Operating ambient humidity	Max. 80% RH (no condensation)
	Weight		Approx. 600 g 21.18 oz (with battery inserted)
	Scanning system accuracy		$\pm(50 + 5 L/1000) \mu\text{m}$ *3
	Repeatability		0.025 mm 0.001" *4
	Working distance		300 mm 11.81"
	Depth of field		± 100 mm $\pm 3.94"$
	Scan speed		Up to 2.4 million points per second
	Laser classification		2 M
	Display	Display method	3.5-inch transmissive TFT color LCD
		Resolution	640 × 480 pixels
		Touch panel	Analog resistive
	Power supply		Supplied from dedicated cable
	Ratings	Rated voltage	24 VDC
		Current consumption	1 A
	Environmental resistance	Operating ambient temperature	0 to 40°C 32 to 104°F
		Operating ambient humidity	Max. 80% RH (no condensation)
	Weight		Approx. 1 kg 2.20 lb

*1 With the WM-WL attached.

*2 Refer to ISO 10360-2 (in the range of 3980 × 2500 × 1500 mm [156.69" × 98.43" × 59.06"](#) and when the operating ambient temperature is 20°C $\pm 1^\circ\text{C}$ [68.0°F \$\pm 1.8^\circ\text{F}\$](#) ; L represents the measurement length (Unit: mm [inch](#))).

*3 Refer to VDI/VDE 2634 Part 3 (at 20°C $\pm 1^\circ\text{C}$ [68.0°F \$\pm 1.8^\circ\text{F}\$](#) ; L represents the measurement length (Unit: mm [inch](#))).

*4 2 σ , when measuring ball diameter.