www.rodavigo.net +34 986 288118

Servicio de Att. al Cliente

Millimar EMD-832P-48-W1 / EMD-832P-48-W2

Electronic Levels - Differential Level System

FEATURES

- Compare the orientation attitude of separate or adjacent horizontal surfaces
- Level systems are angular-linear compatible
- Sensing heads are interchangeable with Federal electrical spec.'s gageheads to accommodate linear measurements
- Fast response: quick response to slight angular changes permit taking fast and accurate measurements at various sensing head positions or taking dynamic position readings
- Resolution/Repeatability: Mahr Federal's Electronic Levels far exceed the sensitivity and accuracy of precision spirit levels with a resolution to 6 µin per foot (.1 arc second), compared to the spirit level's resolution of .0001" per foot. With repeatability at ±.1 arcsecond, Electronic Levels are ideal for ultra-high resolution profiling.
- Direct dimensional readout: multiplier feature permits operator to view displacement caused by the angular measurement of the level head; this is displayed as an inches per foot readout rather than arc seconds; eliminates readout confusion when switching from spirit levels to electronic levels
- Angular-linear compatible: sensing heads are easily interchangeable with Federal electrical spec.'s gageheads to accommodate linear measurements
- Electronic levels are much easier to use with an autocollimator or a laser based calibration system
- Performance is comparable and results are obtained without time consuming sight path alignments, cleaning of sensitive optical surfaces or hard to control environmental conditions
- The differential level system operates simultaneously with a single amplifier, permitting an immediate comparison between two surfaces
- Adjustable bases permit setup on surfaces that are out-of-level or square by as much as $\pm 1.5^{\circ}$
- Package contains: indicating instrument 832 F, 2 electronic level heads EGH-2103-W2 with 6m/20ft cable, 2 adjustable mounts EAT-1029, remote data entry handswitch with 6m / 20ft cable, power source, instruction manual, case

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Application:

• Used to determine any deviation in the right angle relationship between a horizontal surface and the Earth's gravitational force (usually expressed as an angular or linear deviation from absolute level)

TECHNICAL DATA

Order no.		2120550	2120551
Product type		EMD-832P-48-W1	EMD-832P-48-W2
Range of digital display	μm	± 2000, ± 200,	± 20
Range of digital display	inch	± .100", ± .010", :	± .001"
Range of digital display	arcsec	± 1000 arcsec, ± 20	00 arcsec
Range of digital display	rad	± 1 mrad, ± 5 n	nrad
Resolution	μm	1, 0.1, 0.02	
Resolution	inch	.0001", .00001", .0	000001"
Resolution	arcsec	0.1 arcsec, 1 ar	csec
Resolution	rad	0.005 mrad, 0.000	95 mrad
Graduation value	arcsec	50, 10	
Tolerance display		LED 5 cllass	LED 5 class
Probe inputs		2	
Compatibility		Federal	
Dynamic functions		Max, Min, TIR, No	ominal
Classification		5	
Data interface		RS232C	
Control inputs		3	
Control outputs		5	
Analog output		±5VDC	
Energy supply		Rechargeable battery, 10 h at full load or 120 VAC/240 VAC 50-60 Hz via AC adapter	Battery operation, 230 V / 50 Hz
Power supply connection		120 VAC 50/60Hz	220 VAC 50/60Hz (EU)
Compatibility		Federal	

ACCESSORIES

Order no.	Product name	Compatibility	Product type	C
2120373	Electronic level gagehead with 2.5 m / 8 ft cable	Federal	EGH-2013-W1	
2120374	Electronic level gagehead with 6 m / 20 ft cable	Federal	EGH-2013-W2	
2120363	Surface plate certification software		EDD-1035	0000
2120292	Adjustable leveling foot		EAT-1029	
2120293	Magnetic base		EAT-1054	EAT-1029
2120294	V-base 120° (102 mm / 4")		EAT-1055	EGH-201
2120295	Right angle attachment with 120° V- faces (152 mm / 6")		EAT-1056	EGH-201
2120296	Adjustable 3-pad base (50 –203 mm / 2 –8")		EAT-1057	~ .
2120297	3-pad base (50 mm / 2")		EAT-1058	
2120298	3-pad base (102 mm / 4")		EAT-1059	
2120299	3-pad base (152 mm / 6")		EAT-1060	
2120300	Base (I= 320 mm / 12.625") with integrated 120° V ground base		EAT-1061	
2120301	Spindle block (l= 19 mm / .750")		EAT-1062	EAT-1





EAT-1060



EAT-1062

Millimar | Electrical Length Measuring Instruments



RS2320

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Millimar EMD-832P-48-W1 / EMD-832P-48-W2

Electronic Levels - Differential Level System

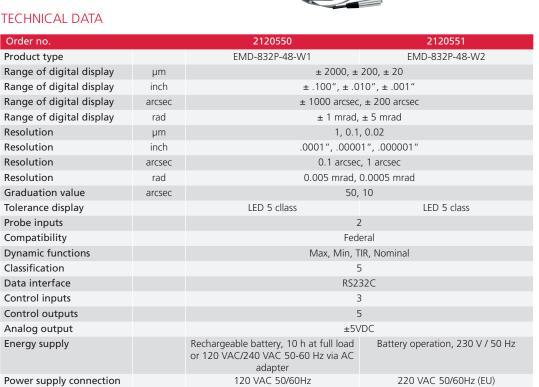
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ACCESSORIES

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2120301	Spindle block (l= 19 mm / .750")		EAT-1062



Millimar | Electrical Length Measuring Instruments



Federal



EGH-2013-W1; EGH-2013-W2

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