

Electronic Levels - Automatic Profiling System

- Includes laptop computer and printer for automated surface plate profiling
- Surface plate profiling software provides automated collection of data and plotting of profile results
- Profiling software allows user to select surface plate size, number of runs to make and provided isometric or numeric graph with plate grade
- All features as standard differential level system
- 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
- **Scope of delivery:** 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, Notebook (EAS2836) with printer (ERO-1063) and cable (ECB-1775), Mahr Federal software (EDD-1035) for flatness measurement, Power source, Instruction manual, Case

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Application:

Ideally suited for highly precise profiles of surface plates and large machine surfaces. Accurate and timely data collection for profiles and Moody method plot.

Technical Data

Order no.		2120552	2120553
Product type		EMD-832P-50-W1	EMD-832P-50-W2
Range of digital display	µm	± 2000, ± 200, ± 20	
Range of digital display	inch	± .100", ± .010", ± .001"	
Range of digital display	arc sec	± 1000 arc sec, ± 200 arc sec	
Range of digital display	rad	± 1 mrad, ± 5 mrad	
Resolution	µm	1, 0,1, 0,02	
Resolution	inch	.0001", .00001", .000001"	
Resolution	arc sec	0.1 arc sec, 1 arc sec	
Resolution	rad	0.005 mrad, 0.0005 mrad	
Graduation value	arc sec	50 sec, 10 sec	
Tolerance display		LED 5 Class	
Probe inputs		2	
Compatibility		Federal	
Dynamic functions		Max, min, TIR, Nominal	
Classification		5	
Data interface		RS232C	
Control inputs		3	
Control outputs		5	
Analogue 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
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
2120292	Adjustable Leveling Foot		EAT-1029
2120293	Magnetic Base		EAT-1054
2120294	Vee Base 120° (102 mm / 4")		EAT-1055
2120295	Right angle attachment with 120° vee faces (152 mm / 6")		EAT-1056
2120296	Adjustable three-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 (l= 320 mm / 12.625") with integrated 120° vee ground base		EAT-1061
2120301	Spindleblock (l= 19 mm / .750")		EAT-1062

