

Millitron 830 Gaging amplifier

F



Features

- Battery operates more than 8 hours under full load
- Choice of Power Modules for 120 or 240 VAC operation
- ±2 volt analog output
- Conforms to CE Standards
- Dual input - for single or differential modes
- Normal/Reverse transducer setting
- Selectable ranges in either Inch or Metric units.
- Calibration adjustments for each input.
- Convenient, front-mounted controls.
- Tilt base provides stable support and easy adjustment for best viewing angle.
- The essential performer for today's slim budgets
- For appropriate inductive probes please refer to pages 7-6 to 7-18

Technical Data

Repeatability	to within 0.00005 mm / .000002" or 1/10 of a graduation, whichever is greater
Linearity	less than 4/5 of a scale division
Calibration	less than 4/5 of a scale division
Response Speed-Display	less than .5 seconds for 10% to 90% step follow
Response Time - Output	< 15 ms
Dimensions	approx. 165 mm / 6.5" h x 190 mm / 7.5" w x 148 mm / 5.8" d
Temperature at specified accuracy	20°C / 68°F ±.2°C
Operating temperature	5° to 45°C / 40° to 110°F, with a temperature coefficient of .02% change/°C x full scale range
Storage temperature	0° to 60°C / 32° to 140°F

Model	120V	Order-no.	220V EU	240V UK	Ranges	Resolution
Linear:						
Standard Unit					±100 µm / ±.004"	5 µm / 200 µ"
830 F	2121421	2121431	2121441		±20 µm / ±.001"	1 µm / 50 µ"
830 M	2121404	2121405	2121425		±10 µm / ±.0002"	0.5 µm / 10 µ"
High Resolution – Inch					±200 µm / ±.004"	10 µm / 200 µ"
830 F	2121424	2121434	2121444		±50 µm / ±.001"	2.5 µm / 50 µ"
					±10 µm / ±.0001"	0.5 µm / 5 µ"
Angular:	120V	220V EU	240V UK			
Angular unit - ARCSEC (used with Mahr Federal Level Heads)					±1000 Sec / ±.010"	50 Sec / 500 µ"
830 F	2121422	2121432	2121442		±200 Sec / ±.002"	10 Sec / 100 µ"
					±20 Sec / ±.0004"	1 Sec / 20 µ"

Accessories

	Order-no.	Compatible Probes	
		Used on 830 F	Used on 830 M
Analog Output Connector	PRT-2380	P2001 F	P2001 M
120V Battery Charger	EBY-1016	P2004 F	P2004 M
220V Battery Charger (EU)	EBY-1019	P2010 F	P2010 M
240V Battery Charger (UK)	EBY-1020	P2104 F	P2104 M
Battery	EBY-1021	EHE-2XXX	1301, 1303,
Battery Eliminator Kit for 110V Models	EKT-1237-W1	EGH-Levels	1304, 1318
Battery Eliminator Kit for 220 Models	EKT-1237-W2		