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Find the *Mahr / Federal Millitron 832* at our website: ***Click HERE***

Millitron 832 Digital Electronic Amplifier



Features

- Dynamics – simultaneously computes the minimum, maximum, T.I.R., nominal and actual gage head signal for dynamic measurement capability.
- Multi-Range – three selectable ranges in inch or metric units.
- Message Center – display provides a simple "menu-driven" setup procedure in English, French or Spanish.
- RS-232 Output – for communicating with Data Collection Devices.
- Two Gage Head Input – Independent reading or for providing the capability of "summing" for diameter reading, matching clearances, runout and parallelism.
- Angular units – selectable arc seconds or millirads for angular measurement applications (see Electronic Levels).
- User selectable password for full lockout capability or individual key lockout in both setup and gaging modes.
- Specific models available for use with Mahr, Mahr Federal, Tesa or Marposs inductive probes.

Technical Data

	Measuring Range	Digital Resolution	Analog Minimum Grad.
Linear	±2 mm/ ***±0.100"*** ±.200 mm/ ***±.010"*** ±.020 mm/ ***±.001"***	.001 mm/ ***.0001"*** .0001 mm/ ***.00001"*** .00002 mm/ ***.000001"***	0.1 mm/ ***.005"*** 0.1 mm/ ***.0005"*** .001 mm/ ***.00005"***
Angular	5 mrad/ ±1000 arc sec. 1 mrad/ ±200 arc sec.	.005 mrad/ 1 arc sec. .000 5mrad/ 0.1 arc sec.	.25mrad/ 50 arc sec. .05mrad/ 10 arc sec.

Auto Range	automatically selects the smallest range for the best resolution, in both linear and angular units
Repeatability	±1 digit
Calibration Accuracy	±1 digit
Linear Error	less than .025% of full scale
Response Time	42 msec.
Thermal Stability	.01% /C x full scale
Temperature Range:	
At Specified Accuracy	20°C/68°F ±.2°C
Operating	5° to 45°C/40° to 110°F, with a temperature coefficient of .02% change/°C x full scale range.
Storage	0° to 60°C/0° to 140°F
Digital I/O	five TTL opto-isolated outputs
Data Output	RS-232, transmits Channels A, B, or both, units, and tolerances
Analog Output	±5 VDC full scale for displayed value signal
Measuring Modes	Actual, Minimum, Maximum, T.I.R., Nominal
Tolerance Indicators	five LEDs
Weight	3.5 lbs./1.58kg
Dimensions	254mm w x 168mm d x 143mm h/6.63in w x 10in d x 5.63in h
Gage Head Display	A, B or both at any time
Auto Power Off	User selectable, up to 99 minutes of non-use
Power Requirements	rechargeable battery, 10 hour operation under full load: or 120 VAC/240 VAC 50-60Hz with power module (furnished with Amplifier)
Replacement Battery	**EBY-1015** Ni-Cad rechargeable, 4.8v, 2.5 amp hours

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Millitron 832 Digital Electronic Amplifier

Technical Data

Power	832 F Mahr Federal probe type Order no.	832 M Mahr probe type Order no.	832 T Tesa probe type Order no.	832 U Marposs probe type Order no.
120 VAC adapter	2004005	2004000	2004015	2004020
US battery / 120 VAC charger	2004007	2004002	2004017	2004022
EU/UK 220 / 240 VAC adapter	2004006	2004001	2004016	2004021
EU battery / 220 VAC charger	2004008	2004003	2004018	2004023
UK battery / 240 VAC charger	2004009	2004004	2004019	2004024

Accessories

	Order no.
RS-232 cable, amplifier to MSP2 printer or computer, 2 m/ 6 ft	**7024634**
Storage Cover (opaque) – protection for the 832 Amplifier when used in harsh environments	**ECV-1276**
Oil/Splash Cover (clear) –protection for the 832 Amplifier when used in harsh environments	**ECV-1285**
Footswitch for HOLD/RESUME, 3 m/ 10 ft cable (15 pin)	**ECB-1857**
Footswitch for DYNAMIC RESET, or remote zeroing 3 m/ 10 ft cable (15 pin)	**ECB-1858**
Footswitch for SEND DATA, 3 m/ 10 ft cable (15 pin)	**ECB-1859**
Footswitch for DYNAMIC RESET, or Remote Zeroing, 1.5 m/ 5 ft cable (Phone Plug)	**300-50**
Remote pushbutton for DYNAMIC RESET, or remote zeroing 1.5 m/ 5 ft cable (Phone Plug)	**ECB-1855**
Remote pushbutton for SEND DATA, 1.5 m/ 5 ft cable (15 pin)	**ECB-1860**
Remote pushbutton for HOLD/RESUME, 1.5 m/ 5 ft cable (15 pin)	**ECB-1861**
Remote pushbutton for HOLD/RESUME and SEND DATA, 3 m/ 10 ft cable (15 pin)	**ECB-1868**
Relay Box – five relays each with Normally Open/Normally Closed contacts; Contact Rating – 30 Vdc/120 Vac, 3 amps Power Supply – 120 Vac Dimensions – 39mm x 129mm x 134.6mm d/1.53 in x 5.08 in x 5.3 in with ECB-1886W-2, 6.1mm/24 in interconnect cable for amplifier to relay box	**EKT-1236-W3**
Mating connector, Digital I/O connector (15 pin MALE)	**ECN-1695-W2**
Mating connector, Reset Data connector (3/32 microphone plug)	**ECN-1693**
Mating connector, RS-232 Digital Output connector (9 pin FEMALE)	**ECN-1695-W1**
Mating connector, Gage Head to amplifier connector (5 pin MALE)	**ECN-1690**
Battery Charger Modules (For 832 Units using 3 pin connector)	
Plug-in, 120 VAC, 50-60Hz charger for use with 120 Vac battery operated units	**EBY-1028**
220 VAC, 50-60Hz charger for use with 220 Vac battery operated units	**EBY-1029**
240 VAC, 50-60Hz (UK) charger for use with 240 Vac battery operated units	**EBY-1030**
Power Supply Module (Bypass battery operated units to direct AC source operation)	
For 120 Vac models (For 832 Units using 3 pin connector)	**2010000**
For 220/240 Vac models (For 832 Units using 3 pin connector)	**2010001**
Printers	
Statistics Printer MSP2, US Type includes power module for 110V~ 50-60Hz	**4102045**
Statistics Printer MSP2, Euro Type includes power module for 220V~ 50-60Hz	**4102040**
RS-232 Cable: Amplifier to Printer, 2.0m/6 ft	**7024634**
Paper rolls for MSP-2 Line Printer	**4102041**

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