

Millimar 1240 Compact amplifier



Features

- Highly accurate processing of measured values
- Zero setting is possible at any point within the measuring range
- Actual value of a standard can be acquired at the touch of a button
- Statistical functions x-bar, s, r and n for 1 parameter
- Tolerance monitoring (with adjustable hysteresis)
- Tolerance field can be set along the total width
- Universal classification possibilities
- Extreme value memories of long stability
- 2 inputs for Mahr compatible inductive probes for single, sum or difference measurements
- Use the RS232C interface to connect a printer / computer / data logger
- Connect a recorder with analog output
- Use the RS232C interface to remotely control all functions
- Supplied with:
Operating instructions and a mains power supply plug

Technical Data

Display analog/digital

Analog display: Measuring range/resolution

- ± 1 μm/0.02 μm (± .003 in/.0001 in)
- ± 3 μm/0.1 μm (± .01 in/.0002 in)
- ± 10 μm/0.2 μm (± .03 in/.01 in)
- ± 30 μm/1 μm (± .1 in/.002 in)
- ± 100 μm/2 μm (± .3 in/.01 in)
- ± 300 μm/10 μm (± .00003 in/.000001 in)
- ± 1000 μm/20 μm (± .0001 in/.000002 in)
- ± 3000 μm/100 μm (± .0003 in/.00001 in)
- ± 10000 μm/200 μm (± .001 in/.00002 in)

Digital display: Measuring range/resolution

- ± 200 μm/0.01 μm (± .08 in/.000001 in)
- ± 2000 μm/0.1 μm (± .008 in/.0000001 in)

Single meas./ combinations +A, -A, +B, -B, A+B, +A-B, -A+B, -A-B

Dynamic Functions Max, Min, Max-Min, (Max+Min)/2, mean

Static Functions n, xn, x, s, R

Zero adjuster Zero setting at any point

Deviation spread referring to measuring range

- Analog display ≤ 1.5 %
- Digital display ≤ 0.01%
- Analog output ≤ 1 %
- Output voltage ± 5 V
- Data output RS 232 C
- Limit switches 2
- Signal lamps 3
- Response time 15 ms
- Control outputs 3
- Type of output TTL
- Control inputs 3
- Protection class acc. to DIN IP40
- Working temperature range +10 ... +40°C / + 50 ... + 104° F
- Power supply 230 V~/115 V~ ± 10%, 50-60 Hz (switchable)

Power consumption ca. 30 VA

Dimensions (W x H x D) 156 x 195 x 120 mm (6.142" x 7.677" x 4.7242)

Weight 2.3 kg / 5.07 lbs

Order no.

Version		Order no.
1240	Front Panel German	5312400
1240	Front Panel English	5312401

For appropriate Inductive probes please refer to pages 7-6 to 7-18
 Recommended **Probe 1340** see page 7-16

Accessories

	Order no.
Push buttons 1240/3D for activating 3 different functions e.g., Start, zero setting etc., connection cable 1.5 m/ 5ft	5312430
Foot Switch 1240/1F , connection cable length 2 m/ 5ft	5312431
Control Unit 1240/SG with 3 push buttons and 5 relay outputs	5312439
Classifying Instrument 1240/KG with 20 opto-coupler outputs	5312438
Data Cable to any. PC (9 pin D-jack)/MSP2	7024634
Statistics Printer MSP2 , 230V / 110V	4102040