

Millimar C 1245 Compact amplifier



Features

Functions

- 16 characteristics can be defined
- With the formula editor (80 characters) the input channels C1 to C8 are mathematically linked with 4 basic arithmetical functions with factors and brackets
- Static measurements: current value, square root, arc tangent
- Dynamic measurements: Max, Min, Max-Min, Max+Min, mean,
- Statistical functions: n, x-bar, S, Xmax, Xmin, R
- Programmable via the integrated keypad or with MS-Windows configuration software via the RS232 interface
- Memory can store up to 500 measurements
- Measurement Start / Stop

Display

- Analog indicator instrument for display of measurement values

- Two-line LCD for measuring values and help texts
- 5 three color status lamps for warning and tolerance limits
- Up to 3 features can be simultaneously displayed

Connections

- 2 input modules can be inserted into base unit
- Following modules are available:
 - 4 inputs for Inductive Probes (Mahr, Mahr-Federal, Tesa compatibility)
 - 2 inputs for Incremental Probes
- RS232 interface
- 1 Analog output
- 3 digital inputs for measurement start, master measurement / zeroize, send data
- 6 digital outputs for GO, NO GO, rework, ALL GO, measuring time, 4 classes
- Supplied with: D1000X Software, operating instructions and a mains power supply plug

Technical Data

Display	analog indicator instrument. LCD 53 mm x 40 mm (2.087" x 1.585")
Analog scale	145 mm x 80 mm (5.709" x 3.149")
Range and Text display	7-point LCD, 5 x 7 dot matrix. alphanumeric
Measured value display	7-point LCD. 7 Segment
Tolerance display	5 LEDs, 3-colors
Display ranges	±10, 30, 100, 300, 1000, 3000, 10000 µm ±0.0003; 0.001; 0.003; 0.01; 0.03; 0.1; „3 inch
Measuring range inductive probe	4000 (±2000) µm, resolution 0.1 µm (measured value display)

Response time

- Meas. value memory	0.005s
- Digital display	0.300s
- Analog display	0.050s - 0.300s
- Outputs	0.020s

Error limits

- 10 x Analog display	2 %
- Digital display	0.3 % (min. 0.2 µm)
Temperature coefficient	± 0.005%/°C
Oper. temperature range	0°... 50°C

Interfaces

Computer, printer	RS232, 9 pin interface (PC-compatible layout)
- Control outputs	6 Optocoupler-outputs, 24V, 100mA
- Control inputs	3 Optocoupler-inputs, 24V, 10mA
Analog output. voltage	programmable
Power supply	90 V... 264 V, 47Hz... 63Hz
Power consumption	11 VA
Protection class	IP53 with conductive dust IP43

Housing dimensions
(H x B x T)

ca. 210 mm x 160 mm x 155 mm
ca. (8.268" x 6.299" x 6.1032")

Weight

ca. 2 kg / 4.40 lbs

Order no.

		Order no.
C 1245 M	Mahr compatible for 4 inductive probes	5331250
C 1245 M	Mahr compatible for 8 inductive probes	9037843
C 1245 T	Tesa compatible for 4 inductive probes	5331251
C 1245 F	Mahr-Federal compatible for 4 inductive probes	5331253
For appropriate Inductive probes please refer to pages 7-6 to 7-18		
C 1245 I	for probes P1514, P1526	5331254

Accessories

	Order-no.
Extension cable (9 pin D-Sub-jack to a D-Sub-socket), length 3 m / 10 ft	7024634
Control Unit with 3 push buttons	5318430
Foot switch for Millimar for Input 1	5330955
for Input 2	5330956
Adapter non wired for I/O port	7032401
Keypad dust cover	3025712