

Millimar C 1216 Compact amplifier with background lit display



Features

- Favorites, frequently required functions can be assigned to the SELECT key
- Static measurements $\pm A$, $\pm B$ and all combinations
- Dynamic measurements: Max, Min, Max-Min, Max+Min, mean
- Auto-Detect-Mode, two measuring instruments can be connected (Probe, Plug Gage . . .)
- Programmable via the integrated key pad or by RS232 interface in conjunction with the MS-Windows configuration Software

Display

- Background lit LCD-Display with an analog and a two line digital display
- 5 three color status lamps for warning and tolerances limits
- Up to 2 features can be simultaneously displayed
- Additional resolution 0.01 μm / 1 μin at measuring ranges from

Connections

- 2 inputs for inductive probes (also compatible with probes from Mahr, Tesa, Mahr-Federal)
- RS232 interface
- 3 digital inputs for measurement start, master measurement, send measured values, . . .
- 3 digital outputs for GO, NO GO, rework, measuring time, . . .
- Analog output
- Programable analog output voltage (max. $\pm 5\text{V}$)
- Supplied with: D1000S Software, operating instructions and a mains power supply plug

Technical Data

| | | | |
|-----------------------------|---|--------------------------------|---|
| Display | Background LCD, 115 mm x 70 mm | Error limit | |
| Analog scale | Pointer, 61 graduations | - 10 x analog display | 2.5% |
| Range and text display | 7 digit LCD, 5 x 7 dot matrix, alpha-numeric | - Digital display | 0.3% (min. 0.2 μm) |
| Measured value display | 7 digit LCD, 7 segments | Temperature coefficient | 0.005%/ $^{\circ}\text{C}$ |
| Tolerance display | 5 LEDs, 3 colors | Operating temperature | 0 $^{\circ}\text{C}$. . . 45 $^{\circ}\text{C}$ / 32 $^{\circ}\text{F}$. . . 113 $^{\circ}\text{F}$ |
| Displayed ranges | ± 3 , 10, 30, 100, 300, 1000, 3000, 10000 μm ± 0.0001 ; 0.0003; 0.001; 0.003; 0.01; 0.03; 0.1; 0.3 inch; or tolerance related | Interfaces | |
| Meas. range inductive probe | 4000 (± 2000) μm , resolution 0.1 μm 400 (± 200) μm , resolution 0.01 μm | Computer, printer | RS232, 9 pin interface (PC-compatible assignment) |
| Response time | | - Control outputs | 3 Opto-coupler-outputs, 2 24V, 100mA |
| - Meas. value memory | 0.010s | - Control inputs | 3 Opto-coupler-inputs, 24V, 10mA |
| - Digital display | 0.100s | Power supply via | Mains power pack |
| - Analog display | 0.100s | Power consumption | 100V . . . 240V, 47Hz . . . 63Hz |
| - Outputs | 0.020s | Protection class | 10 VA |
| | | Housing dimensions (H x W x D) | IP54, with conductive dust IP43 |
| | | Weight | ca. 205 mm x 160 mm x 165 mm ca. 8.07" x 6.29" x 6.49" ca. 2.1 kg / 4.6 lbs |

Order no.

| | Order-no. |
|---|----------------|
| C 1216 M Mahr compatible | 5312160 |
| C 1216 F Mahr-Federal compatible | 5312162 |

For appropriate Inductive probes please refer to pages 7-6 to 7-18

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 | |
| for Input 1 | 5330955 |
| for Input 2 | 5330956 |
| for Input 3 | 5330957 |
| Adapter non wired for I/O port | 7032401 |
| Keypad dust cover | 3025712 |