

Millimar S 1840 compact column amplifier



Features

- Easy to read 3 color analog display
- For measurement with inductive probes (e. g. Mahr P2004) or electronic plug gages etc
- Two inputs for Inductive Probes (alternatively compatible with probes from Mahr, Mahr-Federal, Tesa, Marposs)
- Extensive calculation of input signals: $\pm A$, $\pm B$ and all combinations
- Dynamic measurements: Max, Min, Max-Min, Max+Min, Mean
- Programmable either via the integrated keyboard or the RS232 interface by means of MS-Windows configuration software
- Programmable warning and tolerance limits, exceeding the limit causes the color to change from green to yellow to red
- Background lit 2 lined LCD to display measured values, help text and measuring units.
- Analog output: 3 digital inputs (e.g. start of measurement, master measurement) 3 digital outputs for GO – NO GO – rework, measuring time
- Scope of supply: Mains cable

Technical Data

Analog display	101 LED elements, 3 colors	Temperature coefficient	$\pm 0.005\%$ / °C
Range and Text display	7 point LCD, 14 Segment, alphanumeric	Oper. temperature range	0°C to 45°C / 32°F to 113°F
Measured value display	7 point LCD, 7 Segments	Interfaces	computer, printer
Tolerance display	via color changes in the analog display	- Control outputs	RS232, 9 pin. male (PC-compatible layout)
Display ranges	+/-10, 30, 100, 300, 1000, 3000, 10000 μm +/- .0003; .001; .003; .01; .03; .1; .3 inch or tolerance related	- Control inputs	3 Optocoupler
Measuring range of inductive probe	4000 (+/- 2000) μm , resolution 0.1 μm (Digital display)	Analog output	Outputs, 24 V, 10 mA
Response time		Power supply	3 Optocoupler
- Meas. value memory	0.008 s	Power consumption	Inputs, 24 V, 100 mA
- Analog display	0.020 s	Protection class	Voltage 1V/mm
- Outputs	0.020 s	Dimensions (HxWxD)	90 ... 264 V, 47 ... 63 Hz
Error limits		Weight	20 VA
- 10 x Analog display	1% (101 LEDs)		IP53
- Digital display	± 1 digit		IP43 with conductive dust

Order no.

		Order no.
S 1840 M	Mahr compatible	5330001
S 1840 T	Tesa compatible	5330002
S 1840 F	Mahr-Federal compatible	5330107

Appropriate inductive probes please [click here](#)

Accessories

	Order no.
Base Plate, for up to 3 columns	5330901
Connection Cable (9 pin D-Sub-jack to D-Sub-jack), length 3 m / 10 ft	7024634
Control Init with 3 push buttons	5330950
Foot Switch for Millimar	5330955