

Millimar C 1245 PE Flexible length measuring unit for versatile tasks (single or dual master system)



Features

Display

- Analog indicator instrument for measuring value display
- Two-line LCD display to display the measuring value and help texts
- 5-color status lamps for warning and tolerance limits
- Up to 3 features can be shown simultaneously

Functions

- 16 characters can be defined
- With an equation editor (80 characters) input channels C1 to C8 are mathematically linked with factors and brackets using the 4 basic mathematical functions
- Static measurements: current value, square root, arc tangent
- Dynamic measurements: Max, Min, Max-Min, Max+Min, mean values
- Statistical functions: n, x-bar S, Xmax, Xmin, R
- Measuring value memory for 5000 measuring values
- Measuring Start / Stop via keyboard, digital input, RS232

Connections

- 2 input modules can be used in the basis unit
- RS232 interface
- 1 analog output
- 3 digital inputs for measuring start, master measurement / zeroing, sending data
- 6 digital outputs for GO, NO-GO, rework, collective goods, measuring time, 4 classes, BCD interface

Model types

			Order no.
C1245 PE/F	2500	with regulator	5331271
C1245 PE/F	5000	with regulator	5331271
C1245 PE/F	10000	with regulator	5331273
For 2 pneumatic probes			
C1245 PE/F 2	2500	with regulator	5331275
C1245 PE/F 2	5000	with regulator	5331275
C1245 PE/F 2	10000	with regulator	5331277
Accessories	Air Supply Adaptor Kit		2121236

Technical Data

Display	analog indicator instrument, LCD 53 mm x 40 mm
Analog scale	145 mm x 80 mm
Range and text display	7 characters LCD, 5x7 dot matrix, alphanumerical
Measured value display	7 characters LCD, 7 segment
Tolerance display	5 LEDs, 3-colored
Display ranges	± 10. 30. 100. 300. 1000. 3000. 10000 µm ± 0.0003; 0.001; 0.003; 0.01; 0.03; 0.1; 0.3 inch

Measuring range / resolution (tooling dependant)

2500:1	100 (±50) µm / 0.1 µm
5000:1	50 (±25) µm / 0.1 µm
10000:1	25 (±12.5) µm / 0.1 µm

Error limits

10 x analog display	2 % (51 pixel)
Digital display	0.05 %

Temperature coefficient	± 0.005 %/°C
Operating temp. range	0 °C to 45 °C

Interfaces

Computer, printer	RS232, 9 pin, male (PC compatible configuration)
Control inputs	6 opto-coupler outputs, 24 V, 10 mA, 10 mA 24 V, 100 mA
Control outputs	3 opto-coupler inputs, 24 V, 100 mA
Current supply	90 V to 264 V,
Mains unit	47 Hz to 63 Hz
Power consumption	11 VA
Protection class	IP53 with conductive dust IP43
Housing dimensions (H x W x D)	ca. 205 x 160 x 165 mm
Weight	ca. 2.2 kg