

Product information

Compact column measuring instrument Millimar S 1840 PE/F

Product features

- When using pneumatic compact amplifiers, it is recommended at all times to use both a pressure regulator and a supply filter (see accessories)
- Clear, three color analog light bar display of warning and tolerance limits
- Backlit, two line LCD for displaying measured values, help texts and units of measurement
- 1 channel
- RS-232 interface
- Analog output
- 3 digital inputs for measurement start, master measurement, etc.
- 3 digital outputs for good, reject, rework classification, measuring time, etc.
- Dynamic measurements: Max, Min, Max-Min, Max+Min, Average
- Can either be programmed via the integrated membrane keypad using the menu driven interface or via the configuration software for MS Windows®
- 1-point or 2-point master measurement
- Password block in setup mode

Package contains

instruction manual, power source



Item no.: 5318455

Technical data

Energy supply	Power source, 230 V/115 V; 50/60 Hz
Range of analog display μm	$\pm 3, \pm 10, \pm 30, \pm 100, \pm 300, \pm 1000, \pm 3000, \pm 10000$, tolerance related
Resolution μm	0,1
Display	101 LED elements, 3 color
Digital display	7 digit LCD, 7 segments
Scale reading	$\pm 10, 30, 100, 300, 1000, 3000, 10000 \mu\text{m}$
Range and text display	7 digit LCD, 14 segments, alphanumeric
Tolerance display	Via color change of the analog display
Compatibility	Federal
Measuring combination	+A, -A
Features	1
Programs	1
Test steps	1
Dynamic functions	Max, Min, Max-Min, (Max+Min)/2, Average
Configuration	PC, keyboard
Zero setter	electrical
Response time digital display	0.5 s
Response time analog display	0.5 s
Error limit	0.5 - 1%
Error limit, digital display	+/- 1 place
Error limit, analog display	1% (101 LEDs)
Data interface	RS-232C, wireless
Hardware interfaces	RS-232C, I/O interface
Control inputs	3 optocoupler inputs, 24 V, 10 mA
Control outputs	3 optocoupler outputs, 24 V, 100 mA
Analog output	1 V/mm
Power consumption max.	20 VA
IP protection category	IP 43
Relative humidity non-condensing	80 %
Operating temperature from	0 °C
Operating temperature up to	45 °C
Temperature coefficient	0.005 $\mu\text{m}/^{\circ}\text{C}$
Product weight	1.60 kg
Range of analog display inches	$\pm .0001", \pm .0003", \pm .001", \pm .003", \pm .01", \pm .03", \pm .1", \pm .3"$, tolerance related

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Accessories

Order no.	Designation	Product type
7024634	Data connection cable RS232C	RS232C 0-modem cable
4102331	Adapter cable RS-232-USB	Millimar - USB