



**Portable Digital Manometers for**  
**Pressure, Vacuum, Differential Pressure, Air Pressure**

**C300 C310**  
**C320**

**Precision Pressure Indicating Instruments**  
**for Pressure, Vacuum, Differential Pressure and barometric Air Pressure**

- Large and illuminated display  
Values are indicated 4 1/2-digits
- hPa - Pa - mbar - bar - inHg - PSI
- unique THUMB-WHEEL single hand-operation (select all functions with your thumb)
- Adjustable auto-OFF function
- With real time clock (date and time)
- Functions: Hold, MAX, MIN, Average
- One point calibration
- Two point calibration (except type C300)
- suitable for clean dry gaseous media

**Type C300**

**Types C310 - C320**



Barometric Air Pressure  
Absolute Pressure

Pressure  
Vacuum  
Differential Pressure

Technical Data:	C300	C310	C320
Range:	750...1100 hPa 750...1100 mbar	-500...+500 Pa -5...+5 mbar	0...100 hPa 0...100 mbar
Units:	hPa, mbar, inHg, psi	Pa, hPa, mbar	hPa, mbar, inHg, psi
Input:	Barometric Air Pressure (Absolute Pressure)	Pressure, Vacuum and Differential pressure <i>Reg. Type C320: connect higher pressure to P2, lower pressure or vacuum to P1</i>	
Accuracy:	±0,5 hPa at 25°C ±1,0 hPa for 0°C<T<50°C Long term Stability -1,0 hPa / year (typ.)	±0.8% FS at 25°C ±1 Digit	
Resolution:	0.1 hPa	0.1% FS	0.1% FS
Overpressure:	-/-	500 hPa	200 hPa
Ports:	-/-	2 x swivel nut for tube 4 x 6 mm	
Operating:	Ambient Temperature 0...50°C		
Battery-Type:	4 x 1,5 V (AA), Alkali-Mangan (included in standard supply)		
Battery Life:	typ. > 500 hours	typ. > 100 hours	
Dimensions:	appr. 147 x 85 x 37 mm		
Weight:	appr. 400 gr.		
Functions:	HOLD, MAX, MIN, AVG, DATE, TIME, AutoOFF, Display Illumination C300: CAL1p; C310 + C320: CAL1p (ZERO)/2p		



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C320**

**Intended Use:**

- Laboratory, Quality Insurance
- Service - Heating and Air Conditioning
- Clean Room Services and Maintenance

**Order-Codes and Standard Supply:**

Order-Code	Description / supply
2120.00	Indicating Instrument for barometric air pressure (absolute) <b>Type C300</b> incl. 4 Batteries 1,5 V (AA) Alkali-Mangan, Operating Manual German/English and Test Certificate acc. ISO 9001
2120.10	Indicator for pressure, vacuum and differential pressure <b>Type C310</b> , -500...+500 Pa incl. 4 Batteries 1,5 V (AA) Alkali-Mangan, Operating Manual German/English and Test Certificate acc. ISO 9001.
2120.20	Indicator for pressure, vacuum and differential pressure <b>Type C320</b> , 0...100 mbar incl. 4 Batteries 1,5 V (AA) Alkali-Mangan, Operating Manual German/English and Test Certificate acc. ISO 9001.

**Optional Accessories:**

Order-Code	Description
3120.CAS	Plastic Carrying Case with foams for indicator with accessories
500.9.000.0005.0 Typ <b>2911</b>	Pneumatic hand held test pump for generating pressure up to 5 bar (acc. data-sheet "2911/2941"), with T-piece and appr. 300 mm tube
500.9.000.1005.0	ditto, but with pressure release valve
500.9.000.9800.0 Typ <b>2941</b>	Pneumatic hand held vacuum test pump for generating vacuum up to -0.9 bar (acc. data-sheet "2911/2941"), with T-piece and appr. 300 mm tube
LPP-30 Typ <b>LPP 30</b>	Pneumatic calibration hand pump for generating pressure & vacuum -0.95...+35 bar switchable (acc. data-sheet "LPP 30"), with volume variator and pressure release valve
500.0.000.9999.9	PVC-tube 4 x 6 mm, suitable for Digital Portable Manometers C310 and C320 und pneumatic hand held test pumps 2911 and 2941.
500.9.000.0002.0	T-piece FCS-3-PK-6-KU quick coupling for tube 4 x 6 mm
500.9.000.0001.0	Hydrophobe Filter (gas permeable and liquid impermeable), fitting for tubes 4 x 6 mm max. pressure 2 bar

**In similar construction we offer:**

- Digital Portable Manometer **LPM 3** also for corrosive fluids, ranges 0..40 mbar up to 0..2200 bar, with external (changeable) pressure sensor
- Digital Portable Thermohygrometer (Temperature and Air Humidity): Types C200 and C210
- Digital Portable Thermometer (1 + 2 channels, Pt100 and TC): Types C100, C110 and C120
- Precision Indicator for transmitter with 0/4...20 mA or 0...10 V output, scaleable: Type C900