

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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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) Type C300 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 Type C310 , -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 Type C320 , 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 2911 | 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 2941 | 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 LPP 30 | 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

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