

Pressure — continued

Digital Manometer - P200 Series



Digitron

- Certified to EEx ia IIC T5
- Suitable for differential and gauge measurement
- High accuracy: 0.2 % F.S. at ambient
- Connections via 5mm push-fit ports
- Smoothing function for low level fluctuation of readings
- Simple zero calibration
- Robust case
- One-handed operation

| | |
|-----------------------|--------------------------------------|
| Resolution LO | 0-19.99 mbar |
| Resolution HI | 0-100 mbar |
| Maximum over pressure | 1000mbar |
| Accuracy | 0.2 % F.S. (15°C - 25°C) |
| | 0.3 % F.S. (0°C - 15°C, 25°C - 50°C) |
| Battery type | 9V PP3 |
| Battery life | 250 hrs |
| Weight | 250g |

teq58

| Mfrs. List No. | Order Code | 1+ | 5+ | 10+ |
|----------------|------------|----|----|-----|
| P200ULi.s | 717-4238 | | | |
| P200HIS | 226-312 | | | |
| BT200 | 717-3933 | | | |

Pressure Calibrators



Low Pressure



High Pressure

- Portable calibrators for accurate on-site calibration and service of pressure transmitters, switches and gauges
- Calibrators have precision pressure-generation pumps with fine control, pneumatic and hydraulic versions
- Displays pressure +19999 digits in bar, psi, mWg or kPa
- Accuracy 0.1% FS total error including linearity, display resolution and temperature (0°C to +50°C)
- Max. and Min. pressure display, temperature display, leak, tare and hold functions
- Supplies power to, and displays signal from, transmitters under test (Internal PP9 x2 batteries + mains adaptor)
- Calibrates and tests pressure transmitters 0-10V / 0-20V / 0-20mA signal (3 wire) 4-20mA signal (2 wire)
- Tests operation of pressure switches, mechanical or electrical, display and log status, NO/NC, up down pressures
- Records and stores 946 readings, programmable logging period and interval, RS232 data transfer
- Logger option includes data transfer cable and Windows based software
- Protection to IP65, CE marked

Supplied with ABS carry case, user manual, batteries, pressure adaptors, electrical connectors for transmitters and pressure switches.

LP version (2 & 10 bar) supplied with separate low pressure pneumatic pump.

MP version (25 bar) supplied with integral medium pressure pneumatic pump.

HP version (200 & 700 bar) supplied with integral high pressure hydraulic pump.

For replacement batteries see **Order Code 521-486** or **Order Code 299-390**.

| Pressure Range | Display Resolution | Total Error (Max.) 0-50°C | Mfrs. List No. | Order Code |
|----------------|--------------------|---------------------------|----------------|------------|
| -1 to +2 bar | 1 mbar | 3 mbar | LP CAL FV-2 | 717-1067 |
| -1 to +10 bar | 2 mbar | 10 mbar | LP CAL FV-10 | 717-1079 |
| 0 to 25 bar | 5 mbar | 25 mbar | MP CAL FV-25 | 717-1092 |
| 0 to 200 bar | 0.05 bar | 0.2 bar | HP CAL FV 200 | 717-1109 |
| 0 to 700 bar | 0.1 bar | 0.7 bar | HP CAL FV 700 | 717-1110 |

teq17

| Mfrs. List No. | Order Code | 1+ | 5+ | 10+ | 20+ |
|-----------------------|------------|----|----|-----|-----|
| LP CAL FV-2 | 717-1067 | | | | |
| LP CAL FV-10 | 717-1079 | | | | |
| MP CAL FV-25 | 717-1092 | | | | |
| HP CAL FV 200 | 717-1109 | | | | |
| HP CAL FV 700 | 717-1110 | | | | |
| Software & Data cable | | | | | |
| K 101 | 717-1122 | | | | |

Pressure Calibrator

FLUKE 718 30/100 psi

FLUKE

New



The new Fluke 718 Pressure Calibrator presents a fresh alter-native in pressure calibration. A complete, self-contained calibration solution, the 718 offers:

- Built-in pressure/vacuum hand pump, with vernier and bleed valve
- Pressure measurement to 0.05% of full span, using an internal pressure sensor
- Wide range of selectable measurement units for pressure
- Current measurement with 0.025% accuracy and 0.001 mA resolution
- 24 volt loop power supply
- Min-Max Hold functions
- Compact size and weight

- Simple, push-button user interface
- Rugged and reliable, for field use

Operating Modes

Measure pressure (using internal sensor)

Measure current

measure current and supply loop power

Pressure Specifications (internal sensor)

| Range | Resolution | Accuracy |
|-------------------|-------------------|----------|
| 0-30psi (207kpa) | .001psi (.01 kPa) | .05%FS |
| 0-100psi (690kpa) | .01psi (.01 kPa) | .05%FS |

Temp Coeff.

| | |
|-------------|--------------------------|
| -10 to 18°C | +/- .01% of range per °C |
| 28 to 55°C | |

Engineering Units (in Hg)

PSI, in. H2O (4°C) in H2O (20°C), kPa, cm H2O (4°C), cm H2O (20°C), BAR, mBAR, kg/cm2, mmHg, in Hg

Media

Gasses/Liquids (non corrosive)

Pressure

F.S. on 30G

F.S. on 100G

Current Specifications

| Range | Resolution | mA + 5°C | Temp Coeff. 18°C to 55°C |
|-----------|------------|---------------------|---------------------------|
| 0 to 24mA | .001mA | .025% Rdg + 1 count | +/- .005% or range per °C |

Input/Output

| | |
|-----------------|------------------------------|
| Pressure Input | 1/8 in. NPT pressure fitting |
| Pressure module | input LEMO connector |
| Current input | shrouded banana jacks |

Loop Supply

| | |
|--------------|---|
| Voltage No. | 24 Volts |
| Power | Two 9 volt alkaline batteries ANSI/NEDA 1604A or IEC 6LR619V |
| Battery Life | 4 to 20 hours, depending on funtions used |
| Safety | CSA C22.2 No. 1010.1:1992 |
| EMC | EN50082-1:1992 and EN55022:1994 Class B |

T601

| | Order Code | Price Each |
|---------------|------------|------------|
| FLUKE 718/30 | 318-3324 | |
| FLUKE 718/100 | 318-3336 | |

Filter Loss Gauge

AIRFLOW



- Die cast aluminium with glass sight tubes
- The scales are movable for adjustment of the zero setting
- Supplied with fixing kit comprising of 2m of flexible pressure tube, pair of self-sealing duct connectors, 'Filter Clean' and 'Change Filter Now' self-adhesive labels, spare fluid and fixing screws

- No limit to the distance between the filter and where one mounts the gauge

| Inches | mm | Pascals | Nominal Scale Length | Overall Dimensions |
|--------|------------------|---------|----------------------|--------------------|
| WG | h ₂ O | | | |
| 1.5 | 40 | 400 | 130 | 116 215 30 |

teq85

| Mfrs. List No. | Order Code | 1+ | 5+ | 10+ | 20+ |
|----------------|------------|----|----|-----|-----|
| FL1.5 | 724-6122 | | | | |