Traqc-20 C21 Automatic Pressure Calibrator

- ✓ **First of new generation of pressure controller/indicators,**
- ✓ **Ease of operation**
- ✓ **Improved precision**
- ✓ **Improved long term stability**
- ✓ **Control stability up to 0.001% FS**
- ✓ **High resolution colour display**
- ✓ **Touch screen operation**
- ✓ **Less maintenance**
- ✓ **High precision pressure generation**
- ✓ **Up to 210 bar (3000 psi/21 MPa) gauge and absolute**
- ✓ **Very low drift**
- ✓ **Compatibility with Autocal and Third Party software**
- ✓ **Utilizes the unique piezo-resistive sensor technology**
- ✓ **Negative calibration included as standard**
- ✓ **Complementary supporting services available**
- ✓ **6HU 2WU Benchtop mounted**

Traqc-20 C21 Automatic Pressure Calibrator brings together the latest control and measurement technology to offer an elegant and economical solution to pressure control for production, test and calibration. It employs full digital control to provide high control stability and high slew rate, while its digitally characterized pressure sensor offers the quality, stability, higher bandwidth and precision associated with this latest generation of piezo-resistive devices. The instrument is available in a 2WU module.

ICS Schneider Messtechnik distributes, designs, manufactures and repairs calibration and sensing equipment and instruments for various industries.

Our core values are quality, service and keeping our knowledge up to date with the latest technical innovations, to find the best solutions for our customers.

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Traqc-20 C21 Automatic Pressure Calibrator

Pressure Measurement	
Standard Pressure Ranges	25, 70, 200, 350 and 700 mbar gauge, 1, 2, 3.5, 7, 10, 20, 35, 70, 100, 135 and 210 bar gauge 0.35, 1, 3, 5, 10 15, 30, 50, 100, 150, 300, 500, 1000, 1500, 2000, 3000 psi 2.5, 7, 20, 35, 70, 100, 200, 350, 700 kPa, 1, 2, 3.5, 7, 10, 13.5, 21 MPa All gauge versions available with negative calibration as standard. For absolute pressure ranges select any range of 1 bar and above and add barometric option
Over Range Indication	10% above full scale pressure range.
Pressure Media	Dry, oil free, non-corrosive gas maintained at a value of 10% above the maximum required outlet pressure. Dry air or Nitrogen recommended.
Display	
Panel	4.3” TFT colour VGA resolution wide format display with integral touchscreen.
Comms Update Rate	8 times per second.
Display Update Rate	2 times per second.
Readout	± 9999999
Pressure Units	mbar, bar, Pa(N/m2), hPa, kPa, MPa, mmHg @ 0°C, cmHg @ 0°C, mHg @ 0°C,, inHg @ 0°C, mmH2O @ 4°C, cmH2O @ 4°C, mH2O @ 4°C, mmH2O @ 20°C, cmH2O @20 °C, mH2O @ 20 °C, kg/m2, kg/cm2, torr, atm, psi, lb/ft2, inH2O @ 4°C, inH2O @ 20°C, inH2O @ 60°F, ftH2O @ 4°C, ftH2O @ 20°C, ftH2O @ 60°F, User Defined 1, User Defined 2, User Defined 3, User Defined 4
Performance	
PACE CM0 Standard Precision	0.02% Rdg + 0.02% FS (25 mbar: 0.20% rdg + 0.20% FS, 70 mbar: 0.10% rdg + 0.10% FS, 200 mbar: 0.04% rdg + 0.04% FS) includes linearity, hysteresis, repeatability and temperature effects for gauge pressures and assumes steady state temperature and regular zeroing.
PACE CM0 Controller stability	0.005% FS
PACE CM1 High Precision	0.01% Rdg + 0.01% FS (25 mbar: 0.10% rdg + 0.10% FS, 70 mbar: 0.05% rdg + 0.05% FS, 200 mbar: 0.02% rdg + 0.02% FS) includes linearity, hysteresis, repeatability and temperature effects for gauge pressures and assumes steady state temperature and regular zeroing.
PACE CM1 Controller stability	0.003% FS (25mbar range = 0.005% FS)
PACE CM2 Premium Precision	0.005% Rdg + 0.005% FS (25 mbar: 0.05% rdg + 0.05% FS, 70 mbar: 0.025% rdg + 0.025% FS, 200 mbar: 0.01% rdg + 0.01% FS) includes linearity, hysteresis, repeatability and temperature effects for gauge pressures and assumes steady state temperature and regular zeroing.
PACE CM2 Controller stability	0.001% FS (25mbar range = 0.005% FS, 70mbar = 0.003% FS)
PACE CM Long term stability measurement	2 bar g to 210 bar g (30 psi to 3000 psi) 0.01% reading per annum, 1 bar g 0.02% reading per annum & 25 mbar g to 700 mbar g 0.03% reading per annum, assumes regular Zeroing. Barometric reference sensor 0.1 mbar a or 0.001450 psi a per annum (for CM0-B, CM1-B, CM2-B & CM2-A)
Negative Gauge Precision pressure value.	Maximum error at any given pressure value is equal to maximum error at the equivalent positive
Pseudo Absolute Mode Precision	Gauge mode precision + Barometric reference precision
PACE CM0-B Precision-Barometric Reference	Precision for the optional barometric reference 0.10 mbar or 0.001450 psi. Includes non-linearity, hysteresis, repeatability and temperature effects between 15°C (59°F) and 45°C (113°F).
PACE CM1-B Precision-Barometric Reference	Precision for the optional barometric reference 0.05 mbar or 0.000725 psi. Includes non-linearity, hysteresis, repeatability and temperature effects between 15°C (59°F) and 45°C (113°F).
PACE CM2-B Precision-Barometric Reference	Precision for the optional barometric reference 0.025 mbar or 0.0003625 psi. Includes non-linearity, hysteresis, repeatability and temperature effects between 15°C (59°F) and 45°C (113°F).
Gas Consumption	All supply gas is delivered to the system. No gas is used in measure mode, or when the instrument is turned off.

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Electrical

Power Supply	180 V AC to 260 V AC @ 47 to 63 Hz.

Communications

Communication	RS232, DPI520 emulation.

Environmental

Temperature	Operating 10°C to 50°C (50°F to 122°F) Calibrated 15°C to 45°C (59°F tot 113°F) Storage -20°C to 70°C (-4°F to 158°F)
Humidity	5% RH to 95% RH non-condensing.
Conformity	EN61010, EN61326, PED, ROHS & WEEE CE marked.
Dimensions	266 System, Height 6HU Width 2WU

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