

Traqc-20 C2 High- Speed Automatic Pressure Calibrator

Features :

- Pressure ranges -1 to +70 bar
- Control speed < 3 sec.
- Control stability 0.004 % FS
- Precision up to 0.015 % IS (IntelliScale)
- Accuracy up to 0.025 % IS (IntelliScale)
- Large color touch screen
- Simple menu navigation

Applications :

- Industry (laboratory, workshop and production)
- Transmitter and pressure gauge manufacturers
- Calibration service companies and service industry
- Research and development laboratories



With its compact design, its exceptionally reliable and patented control unit, and available measuring ranges of -1 ... +70 bar, the Traqc-20 C2 high-speed pneumatic pressure controller offers a wide range of application possibilities. The large touch screen and the simple menu navigation guarantee maximum ease-of-use. The instrument is available in a 2WU module.

Tradinco Instruments 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.

Traqc-20 C2 High- Speed Automatic Pressure Calibrator

Pressure range	Standard	Optional
Accuracy	0.025 % FS	0.025 % IS-50 ¹⁾
Gauge pressure	0 ... 0.35 bar to 0 ... 70 bar	0 ... 1 bar to 0 ... 70 bar
Bi-directional	-1 ... +0.35 bar to +0.35 ... +70 bar	-
Absolute pressure	0 ... 1 bar abs. to 0 ... 71 bar abs.	0 ... 1 bar abs. to 0 ... 71 bar abs.
Precision	0.015 % FS	0.015 % IS
Optional barometric reference		
Function	The barometric reference can be used to switch pressure types ²⁾ , absolute <=> gauge. With gauge pressure sensors, the measuring range of the sensors must begin with -1 in order to carry out an absolute pressure emulation.	
Measuring range	552 ... 1172 mbar abs.	
Accuracy	0.02 % of measured value	
Pressure units	38 and 2 freely programmable	

1) 0.025 % IS-50 accuracy; 0.025 % of measured value in the upper half of the measuring range.

2) For a pressure type emulation, we recommend a native absolute pressure sensor, since the zero point drift can be eliminated through a zero point adjustment.

Base instrument

Instrument

Instrument version	2WU Module
Dimensions in mm	see technical drawings
Weight	approx. 9.1 kg

Display

Screen	7.0" colour LCD with touchscreen
Resolution	4 ... 6 digits
Display update	4 values/sec
Warm-up time	approx. 15 min
Compensated temperature range	15 ... 45 °C

Connections

Pressure connections	4 ports with 7/16"- 20 F SAE incl. 6 mm tube fitting adaptors
Filter elements	Filter element (40 micron) included in each pressure port
Permissible pressure media	dry, clean air or nitrogen
Wetted parts	aluminium, brass, 316 and 316L stainless steel, Buna N, FKM/FPM, glass-filled epoxy, RTV, nylon, ceramic
Overpressure protection	Safety relief valve

Permissible pressure

Supply Port	~ 110 % FS
Measure/Control Port	max. 105 % FS

Power supply

Power supply	AC 100 ... 240 V, 50 Hz
Power consumption	max. 90 VA

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Permissible ambient conditions	
Operating temperature	5 ... 50 °C
Storage temperature	0 ... 70 °C
Humidity	0 ... 95 % r.h. (relative humidity, non-condensing)
Mounting position	horizontal or slightly tilted
Control parameter	
Control stability	< 0.004 % FS
Control time	< 3 (with a sudden pressure increase of 10 % FS in a 150 ml test volume)
Control range	0 ... 100 % FS
Test volume	50 ... 1000 ccm (without throttle)
Communication	
Interface	Ethernet, IEEE-488, USB
Command sets	Tradinco, SCPI, others optional

Approvals and certificates

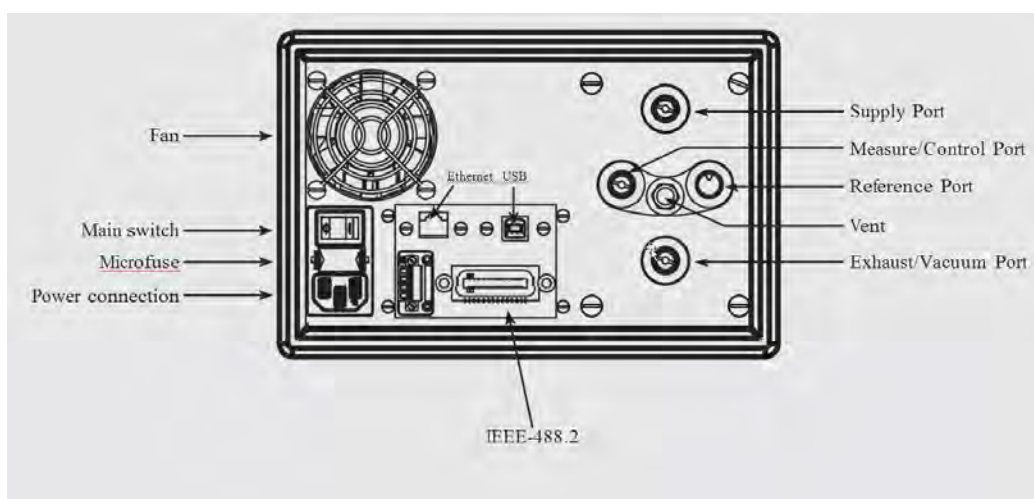
CE conformity

EMC directive ³⁾	2004/108/EC, EN 61326 emission (group 1, class B) and interference immunity (industrial application)
Low voltage directive	2006/95/EC, EN 61010-1

Certificate

Calibration ⁴⁾	Incl. 3.1 calibration certificate per EN 10204
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Electrical and pressure connections - rear



Distributor