

Connection kits and accessories for Gometrics calibrators PC2000, T10 pressure gauges and Beamex MC5 and MC3 multifunction calibrators

Pneumatic accessories maximum 20 bar

Reference	Description
RB400BP11	750 mm-long coupling tubing with 2 X 500-mm extensions
RB400BP22	750 mm-long coupling tubing
RS20012G	Coupling 1/8" BSP M conical 60° both ends
RS20012	Coupling 1/8" NPT M by 1/8" BSP M conical 60°
RS20014	Coupling 1/4" BSP by 1/8" BSP M conical 60°
RS20016	Coupling 3/8" NPT M by 1/8" BSP M conical 60°
RS20018	Coupling 1/2" NPT M by 1/8" BSP M conical 60°
RS20012RG	Coupling 1/8" BSP M by 1/8" BSP M conical 60°
RS20014RG	Coupling 1/4" BSP M by 1/8" BSP M conical 60°
RS20016RG	Coupling 3/8" BSP M by 1/8" BSP M conical 60°
RS20018RG	Coupling 1/2" BSP M by 1/8" BSP M conical 60°
RBQSF612	Coupling 1/8" BSP H fast intake from 6mm tube
U10351620	Washer USIT for 1/8" BSP M thread
Kits	
<ul style="list-style-type: none"> ● Calibration Kit RB400BP01 made up of: <ul style="list-style-type: none"> ● RB400BP11 ● RS20012 ● RS20014 ● Calibration Kit RB400BP02 made up of: <ul style="list-style-type: none"> ● RB400BP22 ● RS20012G 	

High-pressure accessories up to 600 bar

Reference	Description
V6006022	750 mm-long coupling tubing x 6 mm diameter
V60018NPT6	High-pressure Coupling 1/8" NPT M
V60018BSP6	High-pressure Coupling 1/8" BSP M
V60014NPT6	High-pressure Coupling 1/4" NPT M
V60014BSP6	High-pressure Coupling 1/4" BSP M
V60038NPT6	High-pressure Coupling 3/8" NPT M
V60038BSP6	High-pressure Coupling 3/8" BSP M

High-pressure Accessories up to 1000 bar

Reference	Description
HK1-1000	SI High-pressure kit in stainless steel made up of: 01-0706 (1) 1-m-long flexible tubing 01-0707 (1) Coupling 1/4" BSP M 01-0708 (1) Coupling 1/4" BSP F // (1) 1/4" BSP M x 1/2" NPT F
HTPA-1000	Kit with 7 Si adaptors, stainless steel, made up of: (1) 1/4" BSP M x 1/8" BSP H // (1) 1/4" BSP M x 1/8" NPT H (1) 1/4" BSP M x 3/8" BSP H // (1) 1/4" BSP M x 1/4" NPT H (1) 1/4" BSP M x 1/2" BSP H // (1) 1/4" BSP M x 3/8" NPT H (1) 1/4" BSP M x 1/2" NPT H

Common accessories (Pneumatic and high-pressure)

Reference	Description
RS4TG	T-coupling 1/4" BSP H
RS8RB4G	Adaptor 1/2" BSP M to 1/4" BSP H
RS40012GG RS40014GG RS40012GN RS40014GN RS41214GN	Coupling 1/8" BSP H x 1/8" BSP H Coupling 1/4" BSP H x 1/4" BSP H Coupling 1/8" BSP H x 1/8" NPT H Coupling 1/4" BSP H x 1/4" NPT H Coupling 1/8" BSP H x 1/4" NPT H
U10351620 U13702015 U16702415 U20702815	USIT Washer for 1/8" BSP M USIT Washer for 1/4" BSP M USIT Washer for 3/8" BSP M USIT Washer for 1/2" BSP M

Portable digital pressure gauge

TINYCAL T210



- Relative pressure
- Absolute pressure
- Differential pressure
- Vacuum
- Combined ranges (vacuum-pressure)

Description

TINYCAL Series T210 digital pressure gauges are portable instruments based on microprocessor, designed and manufactured by Gometrics for pressure indication. Designed as both pressure gauge and millimeter, it is more versatile, allowing just one instrument to calibrate electronic pressure transmitters by reading both the generated pressure and the 4-20 mA output signal from the transmitter with just one key.

The instrument contains a stainless steel pressure sensor which combined with the overpressure that it supports guarantees a long service life.

The keyboard on the frontal is ergonomically designed and allows operation with only one hand. The following functions are provided:

- Change of engineering units (bar, kPa, kgf/cm², mbar, psi, mmHg, mH₂O, cmH₂O, mmH₂O, atm)
- Autozero
- Input selection: pressure or electric

The compact design of the TINYCAL pressure gauge allows fast, efficient calibration operations in both field and workshop. It also has a support stand for easy vertical benchtop reading.

The instrument is provided with rechargeable NiMH batteries and is supplied with transport bag, wires, battery charger, traceable calibration certificate (optional ENAC) and 2-year guarantee.

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Technical characteristics

- **Pressure range:** Min: 0-25 mbar (see table) Max: 0-350 bar
- **Accuracy*:** 0.25% FS and 0.10% FS
- **Current range:** ±30 mA
- **Accuracy:** 0.025% reading + 2 µA
- **Resolution:** 4^{1/2} digit for pressure (see table) 1 µA / 10 µA for current
- **Process connection:** 1/8" BSP M internal conical 60°
- **Operating temperature:** 0-50°C
- **Temperature coefficient:** 0.02% FS/°C < 1 bar
0.01 % FS/°C 1 bar
- **Fluids:** Compatible with stainless steel and Buna N for 1 bar ranges
Air or inert gases for ranges < 1 bar and differential pressure
- **Overpressure:** Twice the range
For differential pressure equal to maximum static
- **Maximum static pressure:** (only differential pressure) 3 times range or 14 bar (the lowest)
- **Display:** 10 mm LCD
- **Batteries:** NiMH rechargeable
- **Charger power supply:** 230V 50 Hz
- **Autonomy:** 14 hours
- **Dimensions:** 83 x 152 x 33 mm
- **Weight:** 360 grams
- **Warranty:** 2 years
- EC Marking
- Certificate of traceable calibration standard (optional: ENAC as European Accreditation)

*includes non-linearity, hysteresis, repeatability, thermal derivation between 20°C and 26°C and 1-year stability

mbar bar

Ranges by input type

Range Code	Relative (G)	Vacuum (V)	Combined (E) (3)	Differential Pressure (D) (1)	Absolute (A)	Reading Display Resolution
025	0 - 25	-25 / 0	-25 / +25	0 - 25 (2)	-	0,01
070	0 - 70	-70 / 0	-70 / +70	0 - 70 (2)	-	0,01
300	0 - 300	-300 / 0	-300 / +300	0 - 300 (2)	0 - 300 (*)	0,1
101	0 - 1	-1 / 0	-1 / +1	0 - 1 (4)	0 - 1	0,0001
201	0 - 2	-	-1 / +2	0 - 2 (4)	0 - 2	0,0001
701	0 - 7	-	-1 / +7	0 - 7 (4)	0 - 7	0,001
172	0 - 17	-	-1 / +17	-	-	0,001
352	0 - 35	-	-1 / +35	-	-	0,01
702	0 - 70	-	-	-	-	0,01
173	0 - 170	-	-	-	-	0,01
353	0 - 350	-	-	-	-	0,1
105	0 - 1000 (**)	-	-	-	-	0,1

- (*) Not available with 0.1% FS accuracy
- (**) Execution with external sensor. Connection to process 1/4" BSP M Not for export
- (1) Max. static pressure: 3 times range or 14 bar (the lowest)
- (2) Maximum static pressure 300 mbar
- (3) For combined ranges accuracy is in % over SPAN
- (4) Only inert gases

TINYCAL T210 pressure gauges supplied with:

- 1 rechargeable battery
- 1 battery charger
- 1 set of cables for current measurement
- 1 transport bag
- 1 User's Manual (English available)
- 1 certificate of traceability (in attached envelope)
- Optional: ENAC calibration certificate (European Accreditation)



T210-XXX X X

Series

Range code (see table)

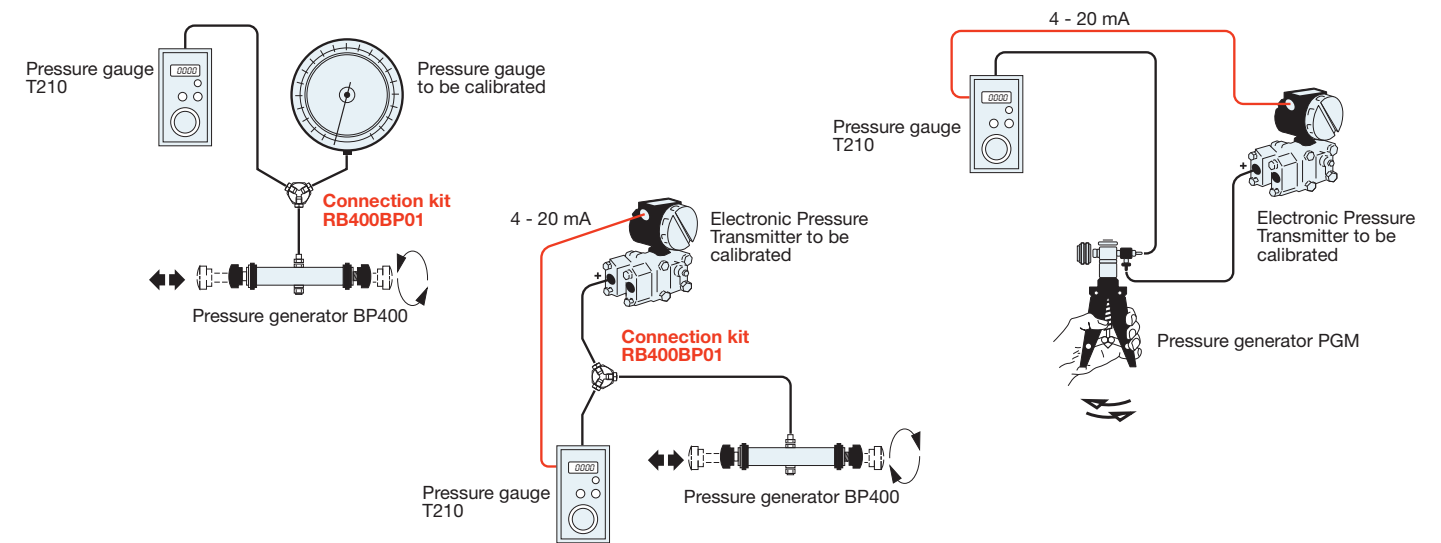
Accuracy

1 - 0,25% FS (all codes)
2 - 0,1% FS (all codes except (*))

Input type:

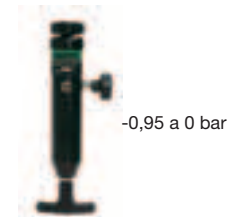
G- Relative pressure
V- Vacuum
A- Absolute pressure
D- Differential pressure
E- Combined (vacuum-pressure)

Typical functional diagrams of TINYCAL T210 pressure gauge applications



Accessories
Available as below

- Pressure/vacuum generation pumps
- Fast connection tubing sets (up to 20 bar) no tools needed to tighten, guaranteed airtight (Request information on RB400BP01 and RB400BP02 kits)



Other GOMETRICS calibrators TINYCAL Series

- **T220** Electronic signal calibrator 4-20 mA
- **T225** Electronic signal calibrator 10-50 mA
- **T230** Voltage calibrator 0-10 Vcc
- **T240** Thermal resistance calibrator Pt100
- **T250** Thermocouple calibrator
- **T260** pH calibrator



T 220
Electronic signal calibrator 4-20 mA
T 225
Electronic signal calibrator 10-50 mA



T 240
Thermal resistance calibrator



T 250
Thermocouple calibrator