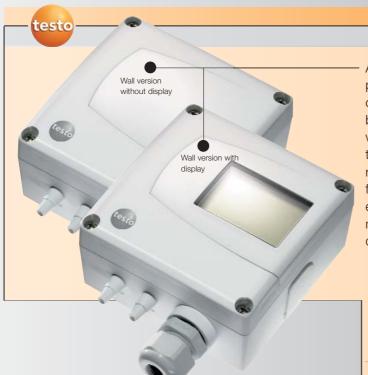


testo 6321

Differential pressure transmitter



SPECIFICATIONS

testo 6321

A differential pressure transmitter with a good price/performance ratio for applications in air conditioning and ventilation technology. The automated building services must always be monitored precisely, whereby the requirements placed on the measuring technology are increased. **testo 6321** fulfills these requirements by ensuring the best possible system function, optimization of the climatic conditions and energy savings by means of highly accurate measurement, stable over the long-term, of the differential pressure.

Areas of application

- Industrial and commercial buildings, e.g. in production and storage
- Offices and administrational buildings
- Sales areas and exhibition halls
- Museums and libraries
- School buildings, hotels, clinics etc.

testo

SPECIFICATIONS

testo 6321

Measurement of differential pressure in the

measuring range of 100 Pa to 2 bar

- Magnetic valve for automatic zero-point adjustment guarantees high temperature-independent accuracy and long-term stability
- Accuracy ±1.2 % of measuring range + intrinsic error of 0.3 Pa – valid for zeroing cycle of 60 sec/nominal temperature +22 °C
- P2A software for parameterization, adjustment and analysis, saves time and costs in commissioning and maintenance
- Freely scalable: ±50% of measuring range final value and free scalability within the measuring range
- Diverse analog outputs and measuring ranges
- Display optional





Differential pressure transmitter

Technical data

Measureme	nt parameters		
	Differential pressure		
	Measuring range	0 to 100 Pa 0 to 10 hPa 0 to 20 hPa 0 to 50 hPa 0 to 100 hPa 0 to 500 hPa 0 to 1000 hPa 0 to 2000 hPa	-100 to 100 Pa -10 to 10 hPa -20 to 20 hPa -50 to 50 hPa -100 to 100 hPa -500 to 500 hPa -1000 to 1000 hPa -2000 to 2000 hPa
	Measurement uncertainty*	±1.2% of measuring ±0,3 Pa Temperature gain drif measuring range per from nominal temper Zero-point drift: 0% (due to zero-point ad	it: 0.05% of Kelvin deviation ature 22 °C
	Sensor	Piezoresistive sensor	
	Autom. zero-point adjustment	via magnetic valve	
	Overload capacity	Measuring range 0 to 100 Pa 0 to 100 Pa 0 to 10 hPa 0 to 20 hPa 0 to 50 hPa 0 to 500 hPa 0 to 500 hPa 0 to 1000 hPa 0 to 2000 hPa -100 to 100 Pa -10 to 10 hPa -20 to 20 hPa -50 to 50 hPa -100 to 100 hPa -100 to 100 hPa -100 to 100 hPa -2000 to 500 hPa -1000 to 500 hPa -1000 to 1000 hPa -2000 to 2000 hPa	Overload 20000 Pa 2000 hPa 200 hPa 750 hPa 750 hPa 2500 hPa 2500 hPa 2500 hPa 20000 Pa 2000 hPa 2000 hPa 750 hPa 750 hPa 2500 hPa 2500 hPa 2500 hPa

General		
Housing		
Material / colour	ABS / white (RAL 90)	10) or light grey
Weight	Approx. 160 g	
Display		
Display	1-line LCD (optional)	
Resolution	Measuring range 0 to 100 Pa 0 to 100 Pa 0 to 20 hPa 0 to 50 hPa 0 to 500 hPa 0 to 500 hPa 0 to 5000 hPa 0 to 1000hPa -100 to 100 Pa -10 to 10 hPa -20 to 20 hPa -50 to 50 hPa -100 to 100 hPa -500 to 500 hPa -100 to 100 hPa -500 to 500 hPa -1000 to 1000 hPa -2000 to 2000 hPa	Resolution 0.1 Pa 0.01 hPa 0.01 hPa 0.01 hPa 0.01 hPa 0.1 hPa 1 hPa 1 hPa 1 hPa 0.1 Pa 0.01 hPa 0.01 hPa 0.01 hPa 0.01 hPa 0.01 hPa 1 hPa 1 hPa 1 hPa 1 hPa 1 hPa
Miscellaneous		
Protection class	IP65 only when the transmand/or sealing plugs	
EMC	EC guideline: 2004/1	08/EC
Automatic zero-point adjustment	Every 60 seconds ex	-works

Inputs and	outputs	
	Analog outputs	
	Output type	0 to 1/5/10 V (4-wire) 4 to 20 mA (4-wire)
	Measuring rate	1/s
	Resolution	12 bit
	Accuracy of the analog outputs	0 to 1 V \pm 2,5 mV 0 to 5 V \pm 12,5 mV 0 to 10 V \pm 25 mV 4 to 20 mA \pm 0,05 mA
	Max. load	500 Ω
	Further outputs	
	other analog outputs	Minin DIN for P2A software (adjustment and parameterization software)
	Supply	
	Voltage supply	20 to 30 V AC/DC
	Current consumption	30 mA

Operating co	onditions	
	Humidity (sensor)	0 to 90 %rF
	Temperature (sensor)	-5 to +50 °C
	Storage temperature	-40 to +80 °C

 $^{^*}$ Measurement inaccuracy according to GUM: $\pm 1.2\%$ of measuring range final value ± 0.3 Pa GUM (Guide to the Expression of Uncertainty in Measurement):

ISO guideline for the determination of measurement uncertainty, in order to make measurement results comparable worldwide.

The following variables are taken into account in determining uncertainty:

- Hysteresis

- Long-term stability

- Linearity

- Adjustment site/works calibration

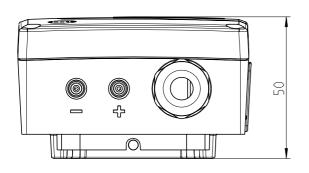
- Reproduceability - Test site

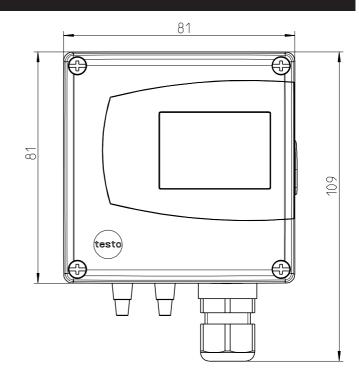
Subject to change without notice.



Differential pressure transmitter

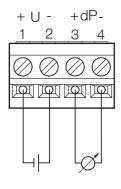
Technical drawings





Connection plan

4-wire wiring



3-wire wiring



Differential pressure transmitter

The following options can be specified for the testo 6321

AXX	Measuring range
BXX	Analog output/supply
CXX	Display
EXX	Housing colour
FXX	Unit
KXX	Language of the instruction manual (for bilingual paper instruction manual)

Deliver incl. wall hoder

AXX	Measuring range
A03	0 to 100 Pa

A05 0 to 10 hPa A06 0 to 20 hPa A07 0 to 50 hPa A08 0 to 100 hPa A09 0 to 500 hPa A10 0 to 1000 hPa

A11 0 to 2000 hPa A23 -100 to 100 Pa A25 -10 to 10 hPa A26 -20 to 20 hPa

A27 -50 to 50 hPa

A28 -100 to 100 hPa A29 -500 to 500 hPa A30 -1000 to 1000 hPa A31 -2000 to 2000 hPa

BXX Analog output / supply

B02 0 to 1 V (4-wire, 24 VAC/DC) B03 0 to 5 V (4-wire, 24 VAC/DC) B04 0 to 10 V (4-wire, 24 VAC/DC) B06 4 to 20 mA (4-wire, 24 VAC/DC)

CXX Display

C00 without display C01 with display

EXX Housing colour

- E01 Housing colour light grey, incl. Testo logo (coloured)
- E02 Neutral housing, white, without Testo logoE03 Neutral housing, white, incl. Testo logo (black/white)

FXX Unit

F01 Pa/min/max F02 hPa/min/max F03 kPa/min/max

F03 kPa / min / max

F04 mbar / min / max F05 bar / min / max

F06 mm H₂O / min / max F07 inch H₂O / min / max F08 inch HG / min / max

F09 kg/cm²/min/max

F10 PSI / min / max

KXX Instruction manual language

K01 Instruction manual German-English
 K02 Instruction manual French-English
 K03 Instruction manual Spanish-English
 K04 Instruction manual Italian-English

K05 Instruction manual Dutch-English
K06 Instruction manual Japanese-English
K07 Instruction manual Chinese-English

Example:

Order code for testo 6321 transmitter with the following options:

- Measuring range 0 to 100 Pa
- Analog output 0 to 5 V
- Without display
- Housing colour light grey
- Unit mbar
- Language of instruction manual German/English

0555 6321 A03 B03 C00 E00 F04 K01



Product Specification Sheet

testo 6321

Technical Data	
Name	testo 6321
Messgröße	Differential pressure
Sensor	Piezoresistive sensor
Resolution	-500500 mbar: 0,1 Pa -11 bar: 0,001 Pa -22 bar: 0,001 Pa
Accuracy	1,2 % of measuring range (+ 0,3 Pa inherent error) 0,05 % of measuring range per Kelvin variation from 22 °C
Measuring range	0100 Pa, 010 mbar, 020 mbar, 050 mbar, 0100 mbar, 0500 mbar, 01 bar, 02 bar, -100100 Pa, -1010 mbar, 2020 mbar, -5050 mbar, -100100 mbar, 500500 mbar, -11 bar, -22 bar
Outputs	420 mA (±0,05mA); 4-wire 01 VDC (±2,5mV); 4-wire 05 VDC (±12,5 mV); 4-wire 010 VDC (±25 mV); 4-wire

- Magnetic valve for automatic reset
- Temperature compensation
- Immediately ready for operation (1 min.; competition 1-2 h)
- High accuracy due to longterm stabil and poor drift readings
- External interface to on-site-calibration of the sensor technology and the analog outputs with Testo portable instrument or P2A-software

Sales arguments

- No Zeropoint-Adjustment within the whole lifetime. Lifetime more than 10 years Differing temperature from 22 °C the temperature compensation eliminates the drift almost completely (+/- 0,05 °C per K)
- High reset frequency guarantees fast startup, even after e.g. power failure. No offsetdrift due to automatic reset. Very low TK-Drift of the pitch.
- Fast and easy on-site-calibration guarantees permanent accuracy and prevents involved, time consuming uninstalling for calibration in the laboratory.

Examples of application

- Monitoring and controlling of ventilators and filters /filter systems
- Controlling of the supply air to equalize up- and downturns of the airvolume-flow in ducts

Scope of delivery

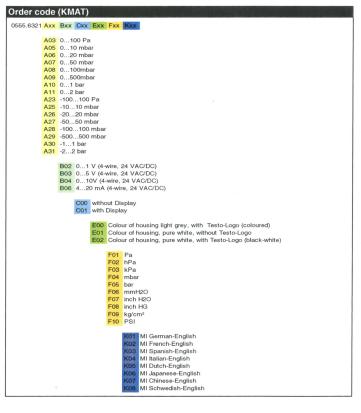
testo 6321

Wall holder (0192 1009)

MI (Manual Instruction)

Accessory	Part-No.
P2A-Software	0554 6020
Adjustment adapter	0554 6022
Power supply unit (table-	
, wall fitting)	0554 1748
Power supply unit top	
hat rail fitting	0554 1749
Extension and	
adjustment cable	0554 6610
Silicone tube ID 4	
transparent	0086 0001 (every meter)
TYGON-tube ID 4,8	
transparent	0086 0031 (every meter)
Different pressure	
calibrators	
"Pneumator"	0519 0815 - 0519 0818
Standard-ISO-	
Calibration certificate	0520 1000
Standard-DKD-	
Calibration certificate	0520 1200





Buring parameters Differential pressure		
Measuring range	0 100 Pa 0 10 mbar 0 3	20 mbar, 050 mbar, 0100 mbar, 0500 mb
		0 Pa, -1010mbar, -2020 mbar, -5050 mb
	100100 mbar,	- ra, rorombar, 2020 mbar, 0000 mb
	-500500 mbar, -11 bar,	-22 bar
,		
Accuracy	1,2 % of measuring range ²	
Overload capability	Measuring range	Overload
	010 Pa	20000 Pa
	010 mbar	200 mbar
	020 mbar	
		200 mbar
	050 mbar	750 mbar
	0100 mbar	750 mbar
	0500 mbar	2500 mbar
	01 bar	2,5 bar
	02 bar	2,5 bar
	-100100 Pa	20000 Pa
	-1010 mbar	200 mbar
	-2020 mbar	200 mbar
	-5050 mbar	750 mbar
	-100100 mbar	750 mbar
	-500500 mbar	2500 mbar
	-11 bar	2,5 bar
	-22 bar	2,5 bar
Slope-drift	0,05 % of measuring range p	
ts and outputs	-,	
Analog outputs		
Kind of output	0 4/5/40 \/ /4	ь.
Kind of output	01/5/10 V (4-wire) 420 mA (4-wire)	
Managering avala		
Measuring cycle	1/s	
Resolution	12 bit	
Accuracy of analog outputs	$01 \text{ V} \pm 2,5 \text{ mV}$	
	05 V ± 12,5 mV	
	010 V ± 25 mV	
	420 mA ± 0,05 mA	
Max. burden	500 Ω	
	300 12	
Further outputs	1	
other analog outputs	Mini-DIN for P2A-Software (a	djustment and parameterisation-Software)
Power supply / power input		
Power supply	2030 V AC/DC	
Power input	300 mA	
neral		
neral Housing:		
	ABS / pure white (BAL 9010)	and light grey
Housing: Material/colour	ABS / pure white (RAL 9010)	and light grey
Housing: Material/colour Weight	ABS / pure white (RAL 9010) approx. 160 g.	and light grey
Housing: Material/colour Weight Display:	approx. 160 g.	and light grey
Material/colour Weight Display: Display	approx. 160 g.	and light grey
Housing: Material/colour Weight Display:	approx. 160 g.	and light grey
Material/colour Weight Display: Display	approx. 160 g.	
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range	Resolution
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar	Resolution
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar	Resolution 0.1 0.01 0.01 0.01
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar	Resolution 0.1 0.01 0.01 0.01 0.01 0.01 0.01
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 0100 mbar	Resolution 0.1 0.01 0.01 0.01 0.01 0.01
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar	Resolution 0.1 0.01 0.01 0.01 0.01 0.01 0.01
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 0100 mbar	Resolution 0.1 0.01 0.01 0.01 0.01 0.01
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 0500 mbar	Resolution 0.1 0.01 0.01 0.01 0.01 0.1 0.1
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 0500 mbar 0500 mbar 01 bar 02 bar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 0500 mbar 0500 mbar 0100 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 0500 mbar 010 mbar 010 mbar 1010 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 050 mbar 010 mbar 010 mbar 010 mbar 1010 mbar 1010 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001 0.1 0.01
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 0500 mbar 010 mbar 010 mbar 110 mbar 120 mbar 120 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 050 mbar 010 mbar 010 mbar 010 mbar 1010 mbar 1010 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001 0.1 0.01
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 0500 mbar 010 mbar 010 mbar 110 mbar 120 mbar 120 mbar	Resolution 0.1 0.01 0.01 0.01 0.01 0.1 0.1
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 0500 mbar 010 bar 02 bar -100100 Pa -1010 mbar -2020 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.1 0.01 0.01 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
Material/colour Weight Display: Display	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 050 mbar 050 mbar 050 mbar 02 bar -100100 Pa -1010 mbar -2020 mbar -5050 mbar -10010 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.01 0.1 0.01 0.1 0.01 0.1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
Material/colour Weight Display: Display Resolution	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 0500 mbar 010 bar 02 bar -100100 Pa -1010 mbar -2020 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.1 0.01 0.01 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
Material/colour Weight Display: Display Resolution	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 050 mbar 0100 mbar 02 bar -100100 Pa -1010 mbar -2020 mbar -5050 mbar -100100 mbar -5050 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.01
Material/colour Weight Display: Display Resolution	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 050 mbar 0100 mbar 02 bar -100100 Pa -1010 mbar -2020 mbar -5050 mbar -100100 mbar -5050 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.01 0.1 0.01 0.1 0.01 0.1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
Material/colour Weight Display: Display Resolution , Others: Protection class	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 050 mbar 0100 mbar 02 bar -100100 Pa -1010 mbar -2020 mbar -5050 mbar -100100 mbar -5050 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.01
Material/colour Weight Display: Display Resolution	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 050 mbar 0100 mbar 02 bar -100100 Pa -1010 mbar -2020 mbar -5050 mbar -100100 mbar -5050 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
Material/colour Weight Display: Display Resolution , Others: Protection class	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 010 bar 02 bar -10010 Pa -1010 mbar -2020 mbar -10010 mbar -2020 mbar -1050 mbar -1050 mbar -10050 mbar -10050 mbar -10010 mbar -2020 mbar -10010 mbar -2020 mbar -10010 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
Material/colour Weight Display: Display Resolution , Others: Protection class	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 010 mbar 02 bar -10010 Pa -1010 mbar -2020 mbar -10010 mbar -2020 mbar -1010 mbar -2020 mbar -1010 mbar -2020 mbar -10010 mbar -2020 mbar -10010 mbar -5050 mbar -111 bar -22 bar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
Material/colour Weight Display: Display Resolution Others: Protection class Automatic Zero-pointing EMC	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 010 bar 02 bar -10010 Pa -1010 mbar -2020 mbar -10010 mbar -2020 mbar -1050 mbar -1050 mbar -10050 mbar -10050 mbar -10010 mbar -2020 mbar -10010 mbar -2020 mbar -10010 mbar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
Material/colour Weight Display: Display Resolution Others: Protection class Automatic Zero-pointing EMC ating conditions	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 050 mbar 050 mbar 050 mbar 010 mbar 02 bar -10010 Pa -1010 mbar -2020 mbar -5050 mbar -10110 mbar -2020 mbar -10210 mbar -5050 mbar -10310 mbar -5050 mbar -10410 mbar -5050 mbar -10710 mbar -50750 mbar -10850 mbar -11 bar -22 bar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
Material/colour Weight Display: Display Resolution Others: Protection class Automatic Zero-pointing EMC ating conditions Humidity (sensor)	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 050 mbar 0100 mbar 02 bar -100100 Pa -1010 mbar -2020 mbar -5050 mbar -100100 mbar -2110 mbar -2220 mbar -100100 mbar -100100 mbar -100100 mbar -50050 mbar -100100 mbar -50050 mbar -11 bar -22 bar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
Material/colour Weight Display: Display Resolution Others: Protection class Automatic Zero-pointing EMC ating conditions Humidity (sensor) Temperature (sensor)	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 0100 mbar 02 bar -100100 Pa -100100 Pa -100100 mbar -2020 mbar -5050 mbar -100100 mbar -5050 mbar -10010 mbar -5050 mbar -10010 mbar -5050 mbar -10010 mbar -5050 mbar -10010 mbar -5050 mbar -11 bar -22 bar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
Material/colour Weight Display: Display Resolution Others: Protection class Automatic Zero-pointing EMC ating conditions Humidity (sensor)	approx. 160 g. 1-row LCD (optional) Measuring range 010 Pa 010 mbar 020 mbar 050 mbar 050 mbar 0100 mbar 02 bar -100100 Pa -1010 mbar -2020 mbar -5050 mbar -100100 mbar -2110 mbar -2220 mbar -100100 mbar -100100 mbar -100100 mbar -50050 mbar -100100 mbar -50050 mbar -11 bar -22 bar	Resolution 0.1 0.01 0.01 0.01 0.1 0.1 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001