IKA 300

Precision pressure gauge of low consumption that provides the best performance on measurements, controlled by microprocessor that combines precision and functionality in a robust and easy to use system.It is ideal for calibrating pressure gauges, transducers and pressure transmitters. Precision pressure gauge IKA 300 can be supplied with four precision scales 0.025% / 0.05% / 0.1% / 0.2% / 0.5% (specify when ordering). Range of pressure from - 1... 700 bar to 0 ... 2500 bar.

APPLICATIONS

On-site calibration
Aeronautic industry, Metallurgical
Chemical and oil
Maintenance services
Calibration laboratories

HIGHLIGHTS

Up to 0.025% FS accuracy
Range up to 2500 bar
9 units of engineering
6 digits on screen
Temperature measurement

Technical data

Accuracy	±0.025%FS, ±0.05%FS, ±0.1%FS, ±0.2%FS
Pressure range	-1 … 0 bar, 0 … 2500 bar (any rank within these two ranges)
Temperature compensation range	0 … 50 ºC
Units of pressure	bar, mbar, kPa, Pa, PSI, kgf/cm², mmH2O, mmHg, MPa
Display	6 digit display with blacklight
Conectionn	1/4 "NPT INOX o M20x1.5
Dimensions (mm)	95 x 49 x 166
Weight	0.75 kg aprox.

CE

General data

7.4V battery lithium and special charger ,Battery using life: 80 hours

Calibration function of the full scale and zero function

Stainless steel lower link

Equipped with a tough, lightweight ABS plastic

Large 6-digit backlit LCD indicator

9 selectable pressure units

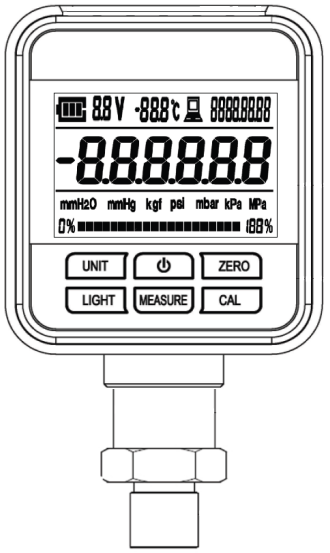
Temperature compensation

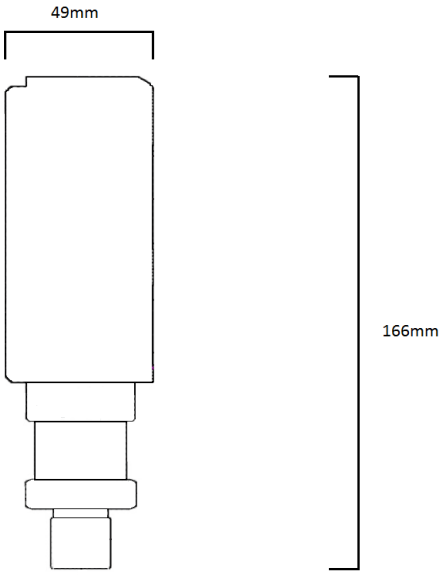
Overpressure alarm function

Version Hart 5

Nº	Pressure range	Accuracy (% FS)	Resolution	Type of pressure
1	-1 … 0 bar	0.025,0.05,0.1,0.2	0.0001 bar	R
2	0 … 40 mbar	0.025,0.05,0.1,0.2	0.001 mbar	R
3	0 … 60 mbar	0.025,0.05,0.1,0.2	0.01 mbar	R
4	0 … 70 mbar	0.025,0.05,0.1,0.2	0.01 mbar	R
5	0 … 1 bar	0.025,0.05,0.1,0.2	0.01 mbar	R A
6	0 … 1.6 bar	0.025,0.05,0.1,0.2	0.01 mbar	R A
7	0 … 2 bar	0.025,0.05,0.1,0.2	0.01 mbar	R A
8	0 … 2.5 bar	0.025,0.05,0.1,0.2	0.01 mbar	R A
9	0 … 3.5 bar	0.025,0.05,0.1,0.2	0.0001 bar	R A
10	0 … 4 bar	0.025,0.05,0.1,0.2	0.0001 bar	R A
11	0 … 6 bar	0.025,0.05,0.1,0.2	0.0001 bar	R A
12	0 … 7 bar	0.025,0.05,0.1,0.2	0.0001 bar	R A
13	0 … 10 bar	0.025,0.05,0.1,0.2	0.0001 bar	R A
14	0 … 16 bar	0.025,0.05,0.1,0.2	0.001 bar	R A
15	0 … 20 bar	0.025,0.05,0.1,0.2	0.001 bar	R A
16	0 … 25 bar	0.025,0.05,0.1,0.2	0.001 bar	R A
17	0 … 35 bar	0.025,0.05,0.1,0.2	0.001 bar	R A
18	0 … 40 bar	0.025,0.05,0.1,0.2	0.001 bar	R
19	0 … 60 bar	0.025,0.05,0.1,0.2	0.01 bar	R
20	0 … 70 bar	0.025,0.05,0.1,0.2	0.01 bar	R
21	0 … 100 bar	0.025,0.05,0.1,0.2	0.01 bar	R
22	0 … 160 bar	0.025,0.05,0.1,0.2	0.01 bar	R
23	0 … 200 bar	0.025,0.05,0.1,0.2	0.01 bar	R
24	0 … 250 bar	0.025,0.05,0.1,0.2	0.01 bar	R
25	0 … 350 bar	0.025,0.05,0.1,0.2	0.01 bar	R
26	0 … 400 bar	0.025,0.05,0.1,0.2	0.01 bar	R
27	0 … 600 bar	0.025,0.05,0.1,0.2	0.01 bar	R
28	0 … 700 bar	0.025,0.05,0.1,0.2	0.01 bar	R
29	0 … 1000 bar	0.025,0.05,0.1,0.2	0.01 bar	R
30	0 … 1600 bar	0.1,0.2	0.01 bar	R
30	0 … 2500 bar	0.1,0.2	0.01 bar	R

R = Relative; A = Absolute





SELECTION OF COMBINED PRESSURE SHEET:

Nº	Pressure range	Accuracy (% FS)	Resolution	Type of pressure
1	-25 … 25 mbar	0.05,0.1,0.2	0.001 mbar	D, R
2	-50 … 50 mbar	0.025,0.05,0.1,0.2	0.01 mbar	D, R
3	-100 … 100 mbar	0.025,0.05,0.1,0.2	0.01 mbar	D, R
4	-250 … 250 mbar	0.025,0.05,0.1,0.2	0.01 mbar	D, R
5	-1 … 1 bar	0.025,0.05,0.1,0.2	0.01 mbar	D, R
6	-1 … 6 bar	0.025,0.05,0.1,0.2	0.0001 bar	R
7	-1 … 10 bar	0.025,0.05,0.1,0.2	0.001 bar	R
8	-1 … 25 bar	0.025,0.05,0.1,0.2	0.001 bar	R

R = Relative; D = Diferential