

# IKA 300 C

Precision pressure gauge provides electrical measurement for calibrating pressure transmitters, pressure gauges and other precision pressure instruments. Controlled by microprocessor that combines precision and functionality in a robust and easy to use. It is ideal for calibrating pressure gauges, pressure transducers and transmitters. The pressure gauge accuracy IKA 300 C can be supplied in two scales precision 0.025% / 0.05% (specify when ordering). Pressure range from -1 ... 600 bar version, absolute and differential.



## APPLICATIONS

Calibration in-situ  
calibration laboratories

## HIGHLIGHTS

0.025% FS accuracy range  
up to 600 bar  
6 digit display with temperature measurement

## Technical characteristics

	± 0.025% FS; ± 0.05%
<b>Pressure Range</b>	-1 To 0, 0-600 bars, any within these ranges
<b>Compensation temperature range</b>	0 ... 50
<b>Pressure Units</b>	bar, mbar, kPa, Pa, psi, kgf / cm <sup>2</sup> , mmH <sub>2</sub> O, mmHg,
<b>screen</b>	6 digits with backlit display
<b>Connecti</b>	1/4 "NPT adapter INOX and 1/2"
<b>Depar</b>	DC24V (≤ 30mA)
<b>Precision Middle</b>	± 1%
<b>of work</b>	Oil, water and non-corrosive gases
<b>Communicatio</b>	RS232
<b>Dimensions in mm</b>	95 x 49 x 166
<b>Weig</b>	0.75 kg



## General data

7.4 VDC rechargeable battery: up to 80h + mains charger Calibration function of

full scale and zero function

Lower process connection stainless steel

Equipped with a tough ABS plastic cover and light Large LCD

display 6 digit backlit

9 selectable pressure units

Temperature compensation Alarm

function overpressure

10 ... 25mA current measurement and / or 0 ... 25V voltage measurement

Hart 5 Version

N	Pressure Range	Accuracy (% FS)	Resolution		Pressure Type
1	-1 ... 0 bar	0,025	0.05	0.0001 bar	R
2	0 ... 400 mbar	0,025	0.05	0.001 mbar	R
3	0 ... 600 mbar	0,025	0.05	0.01 mbar	R
4	0 ... 700 mbar	0,025	0.05	0.01 mbar	R, A
5	0 ... 1 bar	0,025	0.05	0.01 mbar	R, A
6	0 ... 1.6 bar	0,025	0.05	0.01 mbar	R, A
7	0 ... 2 bar	0,025	0.05	0.01 mbar	R, A
8	0 ... 2.5 bar	0,025	0.05	0.01 mbar	R, A
9	0 ... 3.5 bar	0,025	0.05	0.0001 bar	R, A
10	0 ... 4 bar	0,025	0.05	0.0001 bar	R, A
11	0 ... 6 bar	0,025	0.05	0.0001 bar	R, A
12	0 ... 7 bar	0,025	0.05	0.0001 bar	R
13	0 ... 10 bar	0,025	0.05	0.0001 bar	R, A
14	0 ... 16 bar	0,025	0.05	0.001 bar	R, A
fifteen	0 ... 20 bar	0,025	0.05	0.001 bar	R, A
16	0 ... 25 bar	0,025	0.05	0.001 bar	R, A
17	0 ... 35 bar	0,025	0.05	0.001 bar	R, A
18	0 ... 40 bar	0,025	0.05	0.001 bar	R
19	0 ... 60 bar	0,025	0.05	0.001 bar	R
twent	0 ... 70 bar	0,025	0.05	0.001 bar	R
twent	0 ... 100 bar	0,025	0.05	0.01 bar	R
22	0 ... 160 bar	0,025	0.05	0.01 bar	R
2. 3	0 ... 200 bar	0,025	0.05	0.01 bar	R
24	0 ... 250 bar	0,025	0.05	0.01 bar	R
25	0 ... 350 bar	0,025	0.05	0.01 bar	R
26	0 ... 400 bar	0,025	0.05	0.01 bar	R
27	0 ... 600 bar	0,025	0.05	0.01 bar	R

R = Relative; A = Absolute

## COMBINED SHEET SELECTION PRESSURE:

N	Pressure Range	Accuracy (% FS)	Resolution		Pressure Type
1	-25 ... 25 mbar	0.05		0.0001 mbar	D, R
2	-50 ... 50 mbar	0.05	0,025	0.001 mbar	D, R
3	-100 ... 100 mbar	0.05	0,025	0.001 mbar	D, R
4	-250 ... 250 mbar	0.05	0,025	0.001 mbar	D, R
5	-1 ... 1 bar	0.05	0,025	0.001 mbar	D, R
6	-1 ... 6 bar	0.05	0,025	0.00001 bar	R
7	-1 ... 10 bar	0.05	0,025	0.0001 bar	R
8	-1 ... 25 bar	0.05	0,025	0.0001 bar	R
9	-1 ... 600 bar	0.05	0,025	0.0001 bar	R

R = Relative; D = Differential

