

# HUBER INSTRUMENTE

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## AUTOMATIC PRESSURE CALIBRATORS Types ADK 4000

**Class 0.05 %**

[ADKA]

### Fields of Application

The Automatic Pressure Calibrator is used to increase the efficiency of adjustments, tests and calibrations of  
pressure transmitters  
pressure transducers  
pressure switches  
pressure gauges etc.

The procedures are conducted easier, more accurately, with higher security and than manually, as well as meeting the requirements of ISO 9000, ISO 17025, FDA and OSHA with respect to traceability and recording.

Combined with a conventional or the embedded PC/104 and software such C<sub>3</sub> (Computer Controlled Calibration), fully automatic calibrations of transmitters are possible with just a few mouse clicks.

### Special Features

Automatically measure and control pressure from 1 kPa up to 70 MPa relative or absolute  
Three measuring ranges in each calibrator, available in eight versions permitting an optimal adaption to the assigned application  
Automatic control of single pressure, calibration sequence with 20 % steps manual or automatic, stress cycle to exercise pressure sensitive devices  
No overshoot due to needle valves and precision stepper motor control  
Clear presentation of assigned and effective pressure on single display  
Nine different engineering units plus percent  
Integrated leak test to check integrity of measurement setup  
Integrated transmitter loop supply  
Economic expansion to additional ranges by cascaded Pressure Reference Standards  
Convertible between table top and 19" rack mount unit.  
Easiest operation from keyboard or through embeddable PC as a full calibration system.

### Technical Characteristics

Executions / Measuring Ranges / Calibrations:

Type	ADK 4000	Table top
	ADK 4001	Rackmount
	ADK 4040	with embedded PC/104
	ADK 4000-G	0...70/35/15 MPa**
	-A	0...35/17.5/7 MPa
	-F	0...15/7/3 MPa
	-B	0...7'000/3'500/1500 kPa
	-C	0...3'500/1'750/700 kPa
	-D	0...700/350/150 kPa*
	-E	0...350/175/70 kPa*
	-J	0...100/50/20 kPa**
	- A	relative (gage)
	- B	absolute
	- C	relative and absolute

\* available relative only or absolute only

\*\* available in relative calibration only

Engineering Units: kPa, mbar, bar, mmHg, cmH<sub>2</sub>O, kg/cm<sup>2</sup>, PSI, inHg, inH<sub>2</sub>O, %

Max. error: 0.05% of active range; incl. linearity, hysteresis and reproducibility

