

Description

HKM pneumatic pressure transducers are used for measuring static and dynamic relative pressures. They are designed for ranges up to 10 or up to 20 bar. These transducers were specially developed for vehicle brake testing, but can also be used for other pressure measurements. The sensor can be connected directly to a pressure vessel.

Depending on the version, various analogue output ranges are available. The pneumatic pressure transducer is fitted with an integrated measuring amplifier.

Features

- | For (pneumatic and hydraulic) pressures
- | Available in ranges of 10 and 20 bar
- | Encased design, IP65
- | Analogue output
- | Integrated measuring amplifier

Applications

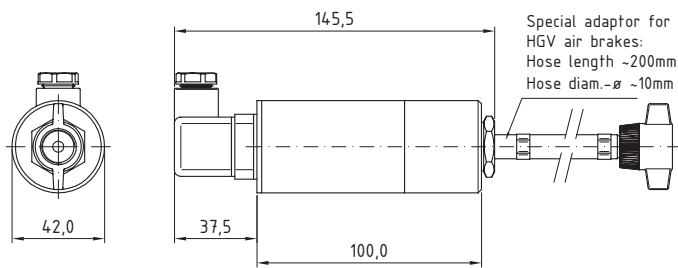
- | Pressure measurement
- | Brake pressure measurement on vehicles

Selection table

Type	Nominal pressure	Material	Dimensions / mm	Outputs *
DA 1.0	10 bar	Aluminium	ø42 x 100 (see drawing)	1-9 mA
DA 1.1	20 bar	Aluminium		4-20 mA

* other levels on request

Dimensions



all dimensions in mm

Mechanical connections

Transducer direct G1/2
Adaptor for compressed air Kretec-Adapter
Adaptor for hydraulic brake system
Ate 03.9305-1032.0

Technical data

Measurement principle	strain gauge
Accuracy	±0.5 % f.s.
Nominal temperature range	-10 °C up to +50 °C
Operating temperature range	-30 °C up to +50 °C
Supply	12V DC
Protection	IP 65

Options

Other hose length
Other levels
Pressure sensor with wireless data transmission by radio