

## Force gauge **DDH 1.1/ HT6.0**



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Factory calibrated  
Nominal load 1000 N  
Measure the top load  
Miniature version of the transducer

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Compression force application  
Application in industry, quality assurance  
as well as in research and development

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Designed,  
developed and  
made in Germany

This fully electronic force gauge is suitable for measuring compression forces. It is available in the measurement range up to 1000N. The force gauge consists of a miniature compression load cell as a transducer and a hand-held terminal. These are firmly connected to each other with a cable. The display of the hand-held terminal can show the current measured value as well as the measured peak value.

The small size of these load cells is a decisive advantage in many applications

where space is limited. In addition, the metal-sheathed load cells can be used under aggressive environmental conditions. Loads must be applied axially to the compression load cell. To apply a load, all that is necessary is to place the compression load cell on a support surface concentric with the line of action of the force to be measured.

You can request the firmware version, the date of the last calibration and the serial number of your device via an easy-to-use menu. In this menu, you can

also set the auto-off time for saving the batteries, the desired measuring rate and the display contrast.

Four batteries of type AA which can be easily replaced by the user supply the force gauges with power.

## Technical data

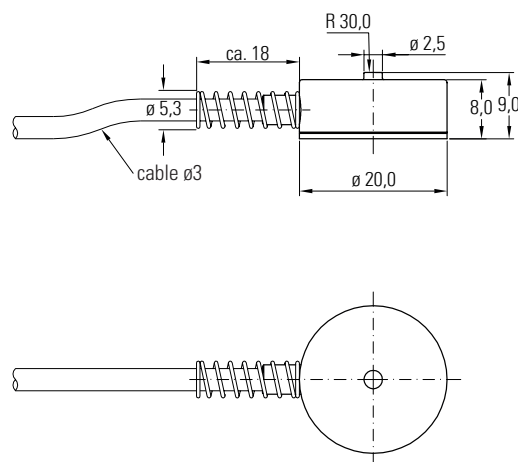
Type	DDH 1.1
Nominal load (only on compression)	1000 N
Overload	1.2 x nominal load
Display	12 digits, 2 lines
Sensitivity/display increments*	1 N
Accuracy	±0.5 % f.s. **
Operating temperature	0°C to +50°C
Storage temperature	-20°C to +70°C
Measuring rate	configurable: 10, 20 or 100 Hz
Power supply	4 x battery type AA
Operating time	>8 h continuous operation
Auto off time	configurable: 8, 30, 60 min / off
Dimensions of the transducer	Ø 20 mm
Hand terminal's dimensions [mm]	L 145 x W 78 x H 44
Material of the transducer	Stainless steel
Housing of the hand terminal	ABS
Total weight	0.36 kg
Cable	LIFY-CB-Y, 4 x 0.1 mm <sup>2</sup> , length 1m
Protection class of the transducer	IP 67
Protection class of the hand terminal	IP 40

\* other sensitivities on request

\*\* f.s. = full scale value

## Dimensions of the transducer

Dimensions in mm



## Calibration

- » factory calibrated
- » under compression load
- » in N
- » optional: ISO or DAkkS calibration
- » optional: calibration in kg

## Optionen

- » other cable length