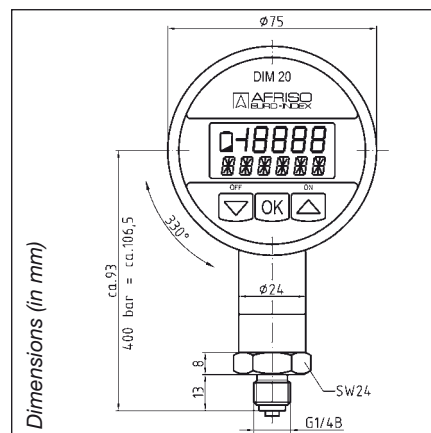


# Universal digital pressure gauge DIM 20



- Selection of measurement units
- Min.-Max value memory
- Menu-guided operation
- Indicator rotatable by 330 degrees
- Zero point and full scale calibration possible
- Adjustable switch-off automatic
- Decimal point adjustment
- Every instrument supplied with a calibration protocol



## Application

For high accuracy electronic pressure measurement with local digital display, for use in hydraulics, pneumatics, machinery and plant construction.

## Description

Compact microprocessor controlled pressure gauge with thick-film ceramic measuring cell. The microprocessor processes the signal received from the pressure sensor, converts it into the desired unit and displays it. Every instrument is supplied with a calibration protocol.

## Functions features

Selection of measurement units, min. and max. value memory, zero point and full scale calibration, adjustable switch-off automatic, adjustable decimal point, battery status indication.

## Displayed values

Selectable pressure units: bar/mbar/psi/InHg/mmHg/hPa/kPa/MPa/mWS

## Display

Multi-line liquid crystal display, line 1: 4.5-digit, numeric, for display of measured value (digit height 9.5 mm)

Line 2: 6-digit, alphanumeric, for display of additional information (digit height 6.8 mm) as well as additional symbols. Indicator rotatable by 330 degrees.

## Accuracy of measurement

±0.5 % FSD acc.to IEC 60770

## Measuring ranges

-1/0 bar,  
0/2.5 bar to 0/400 bar

## Overpressure safety

Minimum 1.5 x FS

## Burst pressure

≤ 160 bar minimum 2.5 x FSD  
> 160 bar minimum 1.5 x FSD

## Operating temperature range

Medium: -20 °C/+125 °C  
Ambient: -20 °C/+45 °C  
Storage: -30 °C/+80 °C

## Temperature error

In compensated range  
0-70 °C ≤ 0,5 % FSD

## Dynamic characteristics

Measurement scanning rate 5/s

## Process connection

G1/4B (EN 837-1/7.3)  
bottom

## Materials

Housing PA6, glass reinforced  
Pressure connection Stainless steel 304  
Diaphragm Ceramic Al<sub>2</sub>O<sub>3</sub> 96 %  
Seal <100 bar: FKM  
>100 bar: NBR

## Protection

IP 51 (EN 60529)

## Supply voltage

1x Lithium battery 3.6 V (included),  
battery life depends on usage, max  
5 years

DG: H	Part no.	Price €
Spare battery	68309	