

Electronic pressure gauge DMG S2600

Technical Information · GB

13 Edition 05.11



- Ergonomically designed, lightweight, handheld measuring instrument
- Suitable for use throughout the world due to its pressure unit selection feature
- Convenient measurement with automatic value resolution
- For industrial use with a robust protective sleeve and sealed key pad
- TÜV tested and approved to First Ordinance on the Implementation of the Federal Immission Control Act (1. BImSchV)/EN 50379-2 for official measurements



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1 Application



DMG S2601

The DMG is delivered in a safety casing with magnet and batteries.

Pressure gauges DMG S2610 and DMG S2601 measure negative pressure, positive pressure and differential pressure of non-aggressive, gaseous media and are used for mobile measurements in industry as well as in medical and air-conditioning engineering.

The DMG measures the draught of the chimney, for example, and checks filters in heating and ventilation systems or channels. The DMG is used in production and extraction systems to measure different pressures or the pressure drop in gas flows. The inlet and outlet pressure of liquid tanks can be checked using the DMG.

The pressure gauge DMG S2601 is used for pressure measurements of up to ± 150 mbar. It is an ideal aid for adjusting burners, e.g. to check the burner pressure and the gas/air ratio.

DMG S2610 can be used for pressure measurements of up to ± 1 bar, e.g. for tightness tests in pipes.

Measurement values can be called up and displayed in various units, which means that the measuring instrument can be used all over the world.

Minimum and maximum measurement values are automatically recorded during a measuring phase and can be retrieved at any time.

1.1 Examples of application



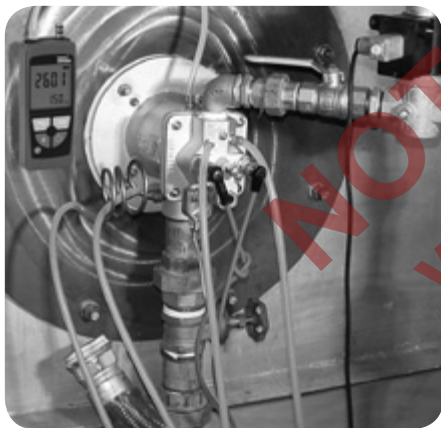
For pressure and vacuum measurements in a laboratory



For adjusting gas burners



For process control, e.g. on forging furnaces



A magnet on the reverse side of the device allows hands-free operation, e.g. during adjustment work on the burner.

2 Certification

EC type-tested and certified



The DMG S2600 complies with the requirements of the following Directives and Standards:

- Electromagnetic Compatibility Directive (2004/108/EC) in conjunction with the relevant standards
- EN 55022
- EN 61000-6-1
- EN 61000-4-2
- EN 61000-4-3

TÜV-tested and approved

- First Ordinance on the Implementation of the Federal Immission Control Act (1. BImSchV), Ordinance on small and medium-sized firing systems
- EN 50379-2

Approval for Russia



Certified by Gosstandart pursuant to GOST-R.
Approved by Rostekhnadzor (RTN).

3 Accessories



A connection set is available to connect the DMG S2600 to the measuring point.

2 silicone hoses, 5 x 2 mm in diameter, length: 1 m, with plastic adapter for connection to the measuring instrument.

2 PU tubes, 2.7 x 0.65 mm in diameter, length: 0.5 m with brass adapter for connection to the silicone hose.

2 plastic adapters in order to connect the PU tube to the measuring instrument.

Order No.: 03352147

3 Technical data

Scope of delivery: measuring instrument with batteries, delivered in a safety casing with magnet.

Dimensions including protective sleeve W x H x D:
66 x 37 x 143 mm (2.7 x 1.4 x 5.6").

Weight: approx. 250 g (8.8 oz).

Housing: plastic, blue; protective sleeve: plasticized PVC.

Display: transfective.

Response delay: 90% (T 90) of the measured value will appear on the display within 10 s.

Ambient and medium temperatures:

0 to +40°C/+32 to +104°F,

storage temperature:

-20 to +50°C/-4 to +122°F

Approved batteries: 2 x 1.5 V (type miniature LR6/AA).

Power supply: rated voltage via power adapter (USB).

Enclosure: IP 40 to EN 60529

DMG 2601 measuring range:

rated 150 mbar (2.2 psi), max. 180 mbar (2.6 psi), max.

positive pressure: 1.35 bar (19.6 psi).

DMG 2610 measuring range:

rated 1000 mbar (14.5 psi), max. 1500 mbar (21.8 psi), max.

positive pressure: 3 bar (43.5 psi).

Resolution:

DMG 2601: 0.01 (< 19.99); 0.1 (> 20),

DMG 2610: 0.1 (< 199.9); 1 (> 200).

Accuracy [% of measured value]:

DMG 2601:

1 ± 1 digit (< 130 mbar/1.9 psi); 1.5 ± 1 digit
(> 130 mbar/1.9 psi).

DMG 2610:

1 ± 1 digit (< 1000 mbar/14.5 psi); 1.5 ± 1 digit
(> 1000 mbar/14.5 psi).

4 Maintenance cycles

It is recommended that you have the instrument checked regularly (< 24 months) and that it be recalibrated regularly if used industrially.