

single diaphragm differential pressure gauges

ATEX version

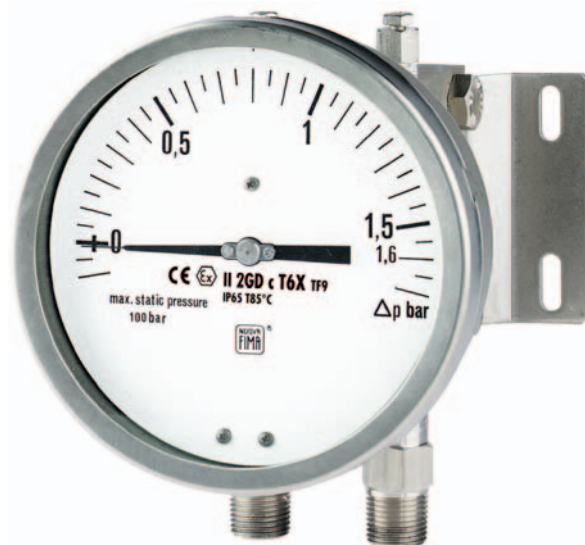
DS 6" (150mm)

MD13

RB1 - 04/09

Versions	
2G9	2D9
II	II
2	2
G	
	GD
T6	T6

Group: all the installations, with exclusion of mines
Category: high level of protection
Explosive atmosphere: inflammable gases
Explosive atmosphere: inflammable gases and dusts
Temperature class: 85°C



These instruments are used to check differential pressures of liquids which do not have high viscosity and do not crystallize. They resist to static pressure up to 100 bar. In presence of high temperature, high viscosity and corrosive process fluid these instruments can be fitted with remote mounting diaphragm seals. They are in conformity with the essential Health and Safety Requirements laid down in European Directive 94/9/EC for Group II, Category 2G or 2GD equipment in the T1...T6 temperature classes. They are NOT suitable for ZONES 0 and 20.

2G9 Version , Gas

6" (DS 150 mm) size is available, as **standard** version.

They keep the same functional and constructive features as MD13 model. This differs from it as follows :

- Ambient temperature:** -4...+140 °F (-20...+60 °C).
- Max process fluid temperature:** see table (measured on the lowest point of socket).
- Windows:** high resistance safety glass.
- Dial marking:** CE Ex II 2G c T6X TF9, model name and serial/lot number.
- Special dial:** ranges different from standard, custom artworks and dials without Nuova Fima logo are not available.
- Options:** electric contacts, plexiglas or tempered glass windows and maximum pointers are not available.
- Included documentation:** Installation manual.

Class	Process temperature
T6 : 185°F (85°C)	158°F (70°C)
T5 : 212°F (100°C)	185°F (85°C)
T4 : 275°F (135°C)	248°F (120°C)
T3 : 392°F (200°C)	302°F (150°C)
T2 : 572°F (300°C)	
T1 : 842°F (450°C)	

2D9 Version , Gas and Dust

6" (DS 150 mm) is available, as **IP65** or **filled** versions.

They keep the same functional and constructive features as MD13 model. This differs from it as follows :

- Damping liquids:** glycerine 98%, silicon oil.
- Ambient temperature:** +59...+140 °F (+15...+60 °C) for glycerine filling; -4...+140 °F (-20...+60 °C) for silicon oil filling.
- Max process fluid temperature:** see table (measured on the lowest point of socket).
- Windows:** high resistance safety glass.
- Dial marking:** CE Ex II 2GD c T6X TF9 IP65 T85°C, model name and serial/lot number.
- Special dial:** ranges different from standard, custom artworks and dials without Nuova Fima logo are not available.
- Options:** electric contacts, plexiglas or tempered glass windows and maximum pointers are not available.
- Included documentation:** Installation manual.

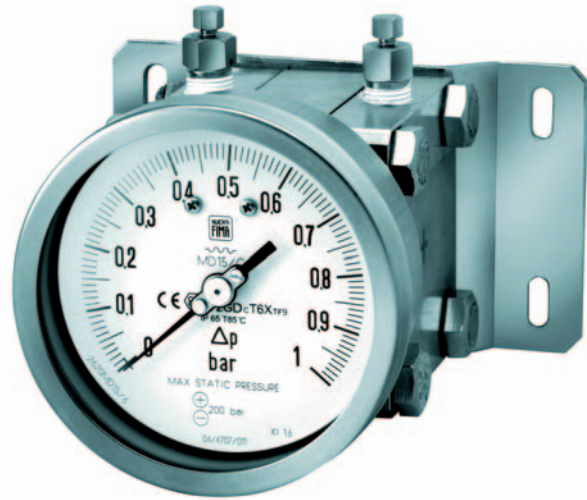
double diaphragm differential pressure gauges, ATEX version DS 4", 6" (100-150mm)

MD15-MD16-MD17

R81 - 04/09

Versions	
2G9	2D9
II	II
2	2
G	
	GD
T6	T6

Group: all the installations, with exclusion of mines
Category: high level of protection
Explosive atmosphere: inflammable gases
Explosive atmosphere: inflammable gases and dusts
Temperature class: 85°C



These instruments are used to check differential pressures of gases, or liquids which do not have high viscosity and do not crystallize. They resist to static pressure up to 100, 200, 400 bar depending on model type MD15, MD16 and MD17. In presence of high temperature, high viscosity and corrosive process fluid these instruments can be fitted with remote mounting diaphragm seals. They are in conformity with the essential Health and Safety Requirements laid down in European Directive 94/9/EC for Group II, Category 2G or 2GD equipment in the T1...T6 temperature classes. They are NOT suitable for ZONES 0 and 20.

2G9 Version , Gas

4" and 6" (DS 100-150 mm) sizes are available, as **standard** version.

They keep the same functional and constructive features as MD15-16-17 models. They differ from them as follows :

Ambient temperature: -4...+140 °F (-20...+60 °C).

Max process fluid temperature: see table (measured on the lowest point of socket).

Windows: high resistance safety glass.

Dial marking: CE Ex II 2G c T6X TF9, model name and serial/lot number.

Special dial: ranges different from standard, custom artworks and dials without Nuova Fima logo are not available.

Options: electric contacts, plexiglas or tempered glass windows and maximum pointers are not available.

Included documentation: Installation manual.

Class	Process temperature
T6 : 185°F (85°C)	158°F (70°C)
T5 : 212°F (100°C)	185°F (85°C)
T4 : 275°F (135°C)	248°F (120°C)
T3 : 392°F (200°C)	302°F (150°C)
T2 : 572°F (300°C)	
T1 : 842°F (450°C)	

Technical File: TF9 - Rev. 0 - 03/08.

LEHENGOAK, s. r. l.

2D9 Version , Gas and Dust

4" and 6" (DS 100-150 mm) are available, as **IP65** or **filled** versions.

They keep the same functional and constructive features as MD15-16-17 models. They differ from them as follows :

Damping liquids: glycerine 98%, silicon oil (or fluorinated fluid for MD15 model only).

Ambient temperature:

+59...+140 °F (+15...+60 °C) for glycerine filling;

-4...+140 °F (-20...+60 °C) for silicon oil or fluorinated fluid filling.

Max process fluid temperature: see table (measured on the lowest point of socket).

Protection degree: IP 65 as per IEC 529.

Windows: high resistance safety glass.

Dial marking: CE Ex II 2GD c T6X TF9 IP65 T85°C, model name and serial/lot number.

Special dial: ranges different from standard, custom artworks and dials without Nuova Fima logo are not available.

Options: electric contacts, plexiglas or tempered glass windows and maximum pointers are not available.

Included documentation: Installation manual.