

# homogenizer gauges ATEX versions, DS 4" (100mm)

# OM

RB1 10/07

Versions	
<b>2D1</b>	
<b>II</b>	<i>Group: all the installations, with exclusion of mines</i> <i>Category: high level of protection</i> <i>Explosive atmosphere: inflammable gases</i> <i>Explosive atmosphere: inflammable gases and dusts</i> <i>Temperature class: 85°C</i>
<b>2</b>	
<b>GD</b>	
<b>c</b>	
<b>T6</b>	



These instruments are designed for homogenizer machines and are built according to standard n. 74-03 of 3-A organization (Sanitary Standards Symbol Administrative Council). The absence of interstices and the mirror finishing of the components assure the best hygiene. The process connection is a special diaphragm seal integrally built with the pressure gauge. To reduce the effects of severe operating conditions like vibrations and pulsations, the instruments can be liquid filled. The OM homogenizer gauges 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.

## 2D1 Version , Gas and Dust

They are available as **fillable** and **filled** version, 4" (DS 100 mm).

They keep the same functional and constructive features as OM models. They differ from them as follows :

**Ambient temperature:**

-4...+ °F (-20...+60 °C) without filling;  
 +59...+140 °F (+15...+60 °C) for glycerine 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 TF1 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:** maximum pointer, plexiglas or polycarbonate or Makrolon or tempered glass windows.

**Included documentation:** Installation manual.

Class	Instrument case	
	dry	filled
T6 : 185°F (85°C)	158°F (70°C)	149°F (65°C)
T5 : 212°F (100°C)	185°F (85°C)	
T4 : 275°F (135°C)	248°F (120°C)	
T3 : 392°F (200°C)	248°F (120°C) (*)	
T2 : 572°F (300°C)		
T1 : 842°F (450°C)		

(\*) Max 302°F (150 °C) for 1 hour during cleaning stage (C.I.P) and sterilization (S.I.P)

Technical File: TF1 - Rev. 1- 03 / 2008 - (mod. MGS18M-OM)