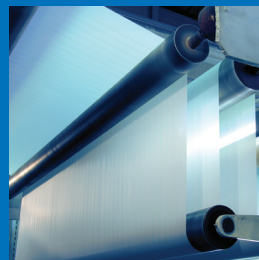


ATEX Humidity and Temperature Sensor



Safely and precisely
with ATEX certificate for
locations with explosive
gas atmosphere and
flammable dust



www.galltec-mela.com

Galltec
+mela

ATEX certificate for use in explosion hazardous areas

II 1/2G Ex ia IIC T4 Ga/Gb

II 2D Ex ia IIIC T95 °C Db

$-40\text{ °C} \leq T_a \leq +80\text{ °C}$

Approved for use in
explosion hazardous areas:
EC Design Test Certificate
IBExU 07 ATEX 1114



Technical data (excerpt)

Relative humidity measurement

measuring/sensor element	capacitive, Mela®
output range	0...100 %rh
accuracy	±2 %rh
at 5...95 %rh and 10...40° C	

Humidity measurement

sensor element	Pt 100 class B
output range	-20... + 80 °C
accuracy at 23° C	±0,2 K (else ±0,3 K)

Electrical data

signal output	supply voltage
4...20 mA	13...24 V DC
	(intrinsically safe)

Features and benefits

- Operating temperature up to 80 °C
- Accuracy: ±2 %rh
- IP66
- ATEX certificate
- category 1/2 G and 2D
- sensor tube made of stainless steel

ATEX certified

Tailor-made Ex-technology

Humidity and temperature sensors with ATEX certification for locations with explosive gas atmosphere and inflammable dust equipment of category 1/2G and 2D. The sensors consist of a sensor part with a sintered filter mounted on a robust aluminium die-cast housing (transmitter part), both made of stainless steel.



Types	GC.Ex	KC.Ex	More information on the productsheet PDF
operating temperature	80°C	80°C	
IP66	IP66	IP66	
ATEX certificate	Ex	Ex	

