METER ATEX

Safety, installation, use and maintenance instructions

Warning: this document is an integral part of the 825B105P manual and must be read and understood in conjunction with it.

Ultrasonic level transmitter European directive: 2014/34/UE:
ATEX standard references: EN 60079-0:2012+A11:2013 - EN 60079-1:2014 - EN 60079-11:2012 - EN 60079-26:2015 - EN 60079-31:2014
Nominal charateristics, Marking
Model : METER_
ATEX Group : II 1/2G; II 1D
Protection mode: ia/db IIC T4 Ga/Gb; ta IIIC T135°C Da
Ambient temperature: -20 ÷ +60°C
Protection degree IP: 66
Max process temperature: +60°C

1 - CERTIFIED ATEX VERSION IDENTIFICATION

1. Product Code
2. Notified body identification code
3. Certificate number
4. Serial number
5. Marking
6. Supply voltage

2 - SAFETY INSTRUCTIONS

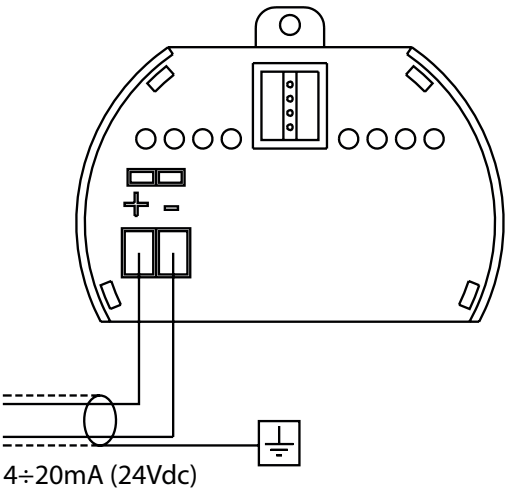
This ultrasonic level meter is designed to be installed in a potentially explosive atmosphere due to the presence of gas and dust.
Make sure that the marking of the device complies with the classification of the potentially explosive area.
Verify that the installation of the probe does not affect the type of protection.
The device can only be opened under voltage in the absence of a potentially explosive atmosphere, to be checked by means of an explosimeter.
Incorrect use of the device could cause damage to people, to the product and to the equipment connected to it.
Always respect the plate data for power supply and electrical connections.

3 - INSTALLATION AND COMMISSIONING

The installation must only be carried out by qualified personnel, adequately trained, in compliance with the regulations in force EN 60079-14.
The equipment must be used only after having correctly understood the instructions in this document, together with the 825B105P manuals.
The device must be mounted in such a way as to minimize the risk of shocks to the case and to the sensitive part (transducer).
Use only the threaded fitting to insert the probe into the process; do not force insertion using the case as a pivot point.
Tighten the cable glands (torque 8 Nm) and the cover before putting the instrument into operation.
Make sure that the metal case is connected to earth through the appropriate connection.
If it is necessary to replace the cable entries with other similar devices, make sure that the marking of the latter is compatible with the installation area and the type of protection and that the minimum degree of dust tightness is respected (IP6X).

4 - ELECTRIC CONNECTIONS

2 WIRE VERSION



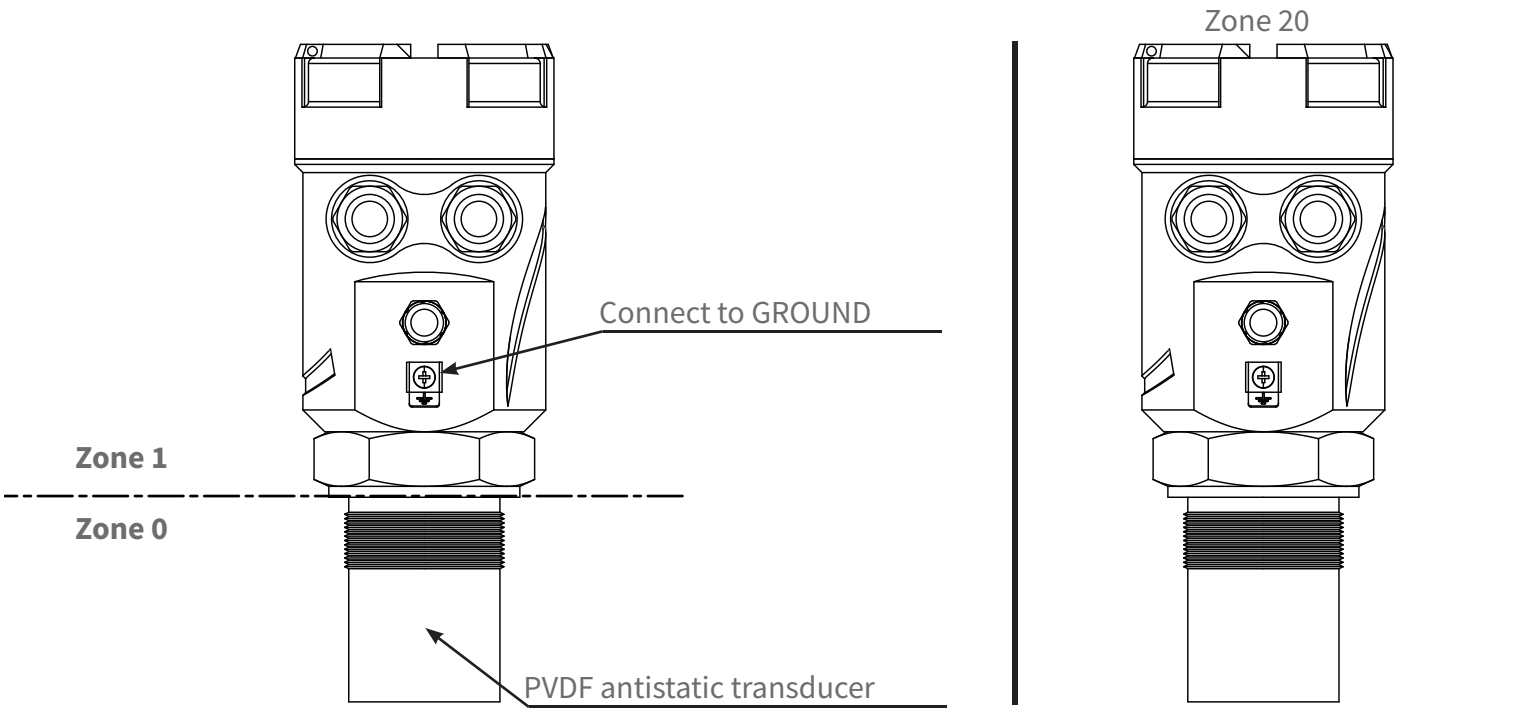
Since intrinsic safety is limited to protection towards the transducer, it is not necessary to power the device through protection barriers.

5 - MAINTENANCE

Check and maintenance should be performed only by properly trained personnel, in accordance with the European standard EN 60079-17.
If it were necessary to open the cover when the probe is energized, be sure to:
-remove all dust from the housing and prevent the accumulation of dust inside the housing during maintenance.
-Carry out the operation in the absence of potentially explosive gases

Any unauthorized modification of the probe, raises SGM LEKTRA from all liability and will avoid its warranty.

6 - ATEX ZONE IDENTIFICATION



SGM-LEKTRA S.r.l.
Via Papa Giovanni XXIII, 49
20053 Rodano (MI) - ITALY
tel: ++39 02 95328257
fax: ++39 02 95328321
e-mail: info@sgm-lektra.com
web: sgm-lektra.com