

MGI-110-Ex

Oval gear pulser with ATEX certification



5-110
l/min

±0.5%
accuracy

- ✓ Pulser
- ✓ In-line assembly
- ✓ Aluminium body



DIESEL



PETROL



BIODIESEL



LUBRICANT



II 1G

MGI-110-Ex

Oval gear pulser with ATEX certification



MGI-110-EX

32656-CF00000

Features

- › In-line mounted oval gear pulse transmitter, designed to provide accurate measurement signals to external fluid management and control systems.
- › High-precision measurement using oval gears.
- › For private use only.
- › Supplies pulses to external electronics via two output channels.
- › Intended for use in measuring diesel, petrol, biodiesel, aviation fuel and other liquids compatible with the unit's construction materials.
- › Certified for use in explosive atmospheres containing gases up to Group IIC.
- › This equipment has been designed and certified for installation in hazardous areas (Group II) classified as Zone 0, Zone 1 and Zone 2, in accordance with standard EN 60079-10-1.
- › Due to its T6 temperature classification, the maximum surface temperature of the equipment does not exceed 85 °C. Users must ensure that the characteristics of the fluid and the environment are compatible with the device's EPL protection level.

Components

- › Aluminium body

Technical data

Flow	5-110 l/min (diesel/petrol) 5-80 l/min (lubricant)
Maximum voltage	36 VDC
Maximum power	2.5 W
Maximum intensity	50 mA
Channels	2
Phase-out channels	90-180°
Pulses per channel	41 pulses per litre and channel
Max. working pressure	55 bar
Ambient temperature	-10 °C / +40 °C
Accuracy	±0.5 %
ATEX category	II 1G
ATEX marking	Ex ma IIC T6 Ga / Ex ia IIC T6 Ga
EU type examination certificate	LOM 20ATEX1054X
Repetitiveness	0.2 %
Connection	F1" thread or flange

The ATEX marking is permanently engraved the rating plate of the equipment. Users must check that the classification is compatible with the installation requirements. The equipment has two certified protection modes: Ex ma (encapsulation) and Ex ia (intrinsic safety). The specific installation and usage conditions associated with each protection mode are described in the instruction manual. This equipment is subject to the conditions of use specified in the EU Type Examination Certificate. For installations in Zone 0 (EPL Ga), compliance with the limitations and special conditions set out in the instruction manual is mandatory.

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0.850 kg
(approx.)



123x90x123 mm
LxWxH (approx.)



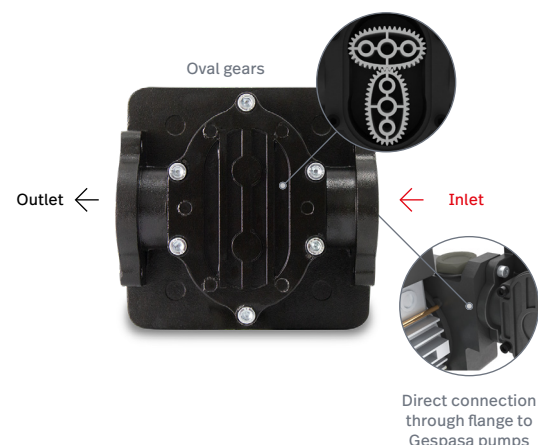
0.900 kg
(approx.)



185x175x170 mm
LxWxH (approx.)

Optional

Aluminium flange kit F1"	800003071
90° elbow kit with flange and thread	800003072



Direct connection
through flange to
Gespara pumps