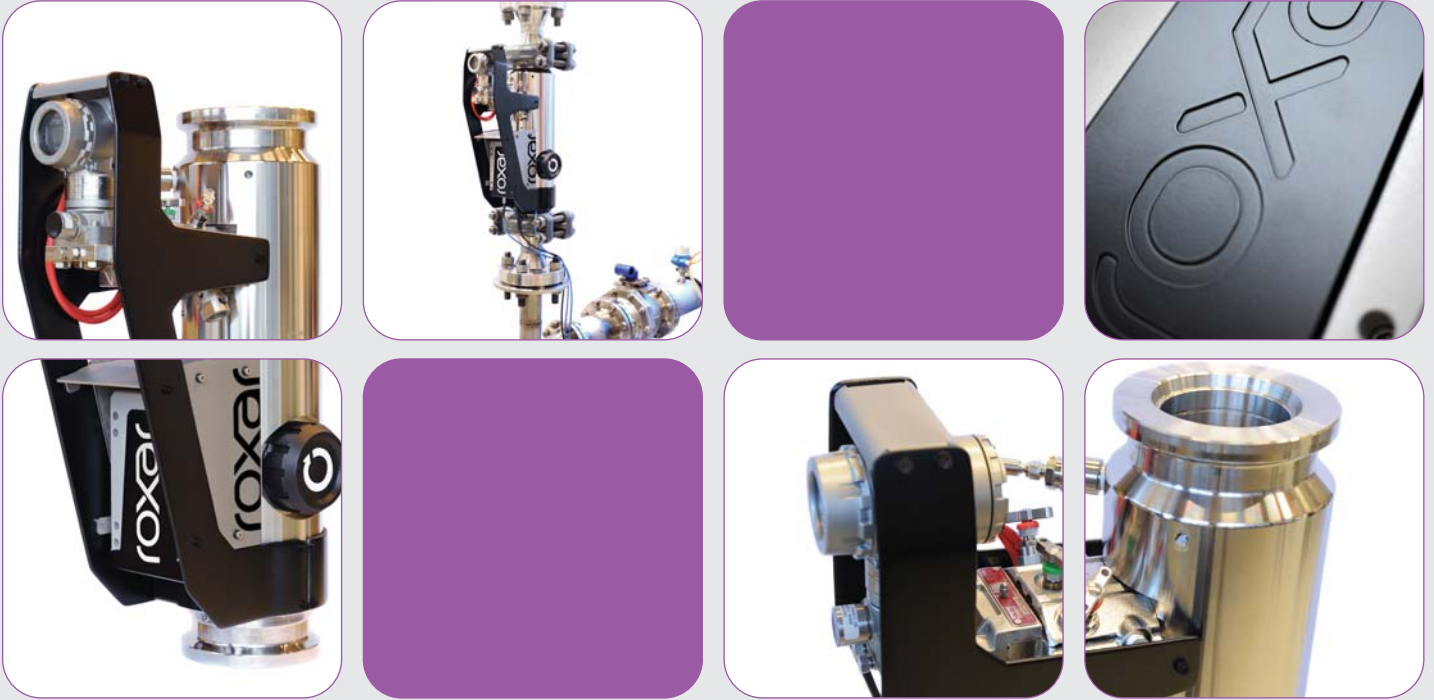


Roxar Multiphase meter

MPFM 2600 - Built on Zector® technology

Data Sheet



Roxar MPFM 2600 - The third generation Multiphase meters

Welcome to the new standard in multiphase metering technology

Key features

- Simple, light-weight design, 80% weight reduction and half length compared to previous generation
- Innovative Zector® technology: Advanced signal processing, new field electronics and innovative electrode geometry
- Field replaceable insert venturi
- Compact, integrated measurement solution for pressure, differential pressure and temperature
- Gamma and non-gamma versions available
- Measurement in Multiphase and wetgas mode

Roxar Zector® technology

The Zector® technology allows for highly sensitive, rapid measurements in separate segments, in addition to the full cross-sectional area, and provides a comprehensive

mapping of flow regimes. This ability also allows the MPFM 2600 to perform in both multiphase and wetgas modes, with seamless transitioning between each mode. The Roxar Zector® technology identifies and measures non symmetrical flow, in varying flow regimes, and with that information, improves measurement uncertainty and reliability.

Roxar offers the MPFM 2600 for operators who are looking for production optimisation, flow assurance and improved well testing. The reduced size will allow operators to install the meter on individual wells and in previously inaccessible locations.

Roxar MPFM 2600 – Designed for the future – ready for today.

Specifications

The specifications below are for a cost optimum solution that will meet most operator requirements. However, Roxar can provide tailor made solutions to fit any application and specifications needed.

System performance and characteristics

Operating range:

- 0-100% water in liquid ratio (WLR)
- 0-100% gas volume fraction (GVF)

Meter sizes:

- 2" – 8" other sizes available upon request.

Installation:

- Vertical upwards flow

Typical uncertainty (95% confidence int.):

Multiphase mode:

- Liquid rate: +/-3,5% relative
- Water cut: +/-2,5% absolute
- Gas rate: +/-6% relative

Wetgas mode:

- Total Hydrocarbon: +/- 5% relative
- Water Volume fraction: +/- 0,2% absolute

Design pressure:

- 5000 psi (345 bars)

Operating temperature:

- 130 °C (266 °F)

Mechanical and electrical components Meter body

Wetted parts materials:

- Duplex UNS 31803
- Super Duplex UNS 32760
- SS 316 UNS S31600
- Inconel N06625

Flange connection:

- Grayloc®/Techlok® hub

Length:

- 650 mm (3")

Weight:

- 110 kg (3")

Venturi

- Insert design, field replaceable
- Compact isolation valve and manifold
- Rosemont Multivariable™ Transmitter (DP, P & T)

Density measurements

Roxar non-gamma software:

- Recommended for GVF up to 85/90%

Roxar compact gamma system:

- Recommended for all applications
- Source: Cs-137, 2 mCi, Half-life 30.1 years
- Detector: Roxar T205

Sensor technology

DP 26 – Multi electrode, dual plane

Roxar Zector® technology

Power supply

Voltage:

- 10-36 VDC, 85-264 VAC

Power consumption:

- 20W

Communication interface

Comm ports:

- RS-232/RS-485/Ethernet

Communication protocol:

- Modbus ASCII/RTU/TCP

Electrical certification

- ATEX (NEMKO 09ATEX1230X)
- IECEx (NEMKO 10.0004X)

Software

- Roxar Service Console

Add-on modules:

- Acoustic Sand monitor
- Roxar Fieldwatch
- PVTx

 Roxar MPFM 2600

Roxar Multiphase meter, MPFM 2600



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