

LPGmass D8EB

Coriolis flowmeter

The refueling and distribution application flowmeter with easy system integration



More information and current pricing:

www.at.endress.com/D8EB

Benefits:

- Excellent operational safety – reliable under extreme ambient conditions
- Fewer process measuring points – multivariable measurement (flow, density, temperature)
- Space-saving installation – no in/outlet run needs
- Space-saving transmitter – full functionality on the smallest footprint
- Fast commissioning – pre-configured devices
- Automatic recovery of data for servicing

Specs at a glance

- **Max. measurement error** Mass flow (liquid): $\pm 0.20\%$ Volume flow (liquid): $\pm 0.30\%$
- **Measuring range** 0 to 70 000 kg/h (0 to 2570 lb/min)
- **Medium temperature range** -50 to $+125\text{ }^{\circ}\text{C}$ (-58 to $+257\text{ }^{\circ}\text{F}$)
- **Max. process pressure** PN 40, Class 300
- **Wetted materials** Measuring tube: 1.4539 (904L) Connection: 1.4404 (316/316L)

Field of application: The LPGmass is specially designed for flow measurement of LPG for dispensing and truck unloading. It combines an integrated temperature measurement with intelligent conversion functions, providing volume correction directly on site. LPGmass will be the preferred choice for system integrators, skid builders and equipment manufacturers.

Features and specifications

Liquids

Measuring principle

Coriolis

Product headline

The refueling and distribution application flowmeter with easy system integration. Accurate measurement of liquefied petroleum gas in refueling and distribution applications.

Sensor features

Excellent operational safety – reliable under extreme ambient conditions. Fewer process measuring points – multivariable measurement (flow, density, temperature). Space-saving installation – no in/outlet run needs. Flow rates up to 70 000 kg/h (2570 lb/min). Volume flow calculation according to API table 53.

Transmitter features

Space-saving transmitter – full functionality on the smallest footprint. Fast commissioning – pre-configured devices. Automatic recovery of data for servicing. Robust, compact transmitter housing. Modbus RS485.

Nominal diameter range

DN 8 to 50 ($\frac{3}{8}$ to 2")

Wetted materials

Measuring tube: 1.4539 (904L)

Connection: 1.4404 (316/316L)

Measured variables

Mass flow, density, temperature, volume flow, corrected volume flow, reference density

Max. measurement error

Mass flow (liquid): ± 0.20 %

Volume flow (liquid): ± 0.30 %

Measuring range

0 to 70 000 kg/h (0 to 2570 lb/min)

Liquids

Max. process pressurePN 40, Class 300

Medium temperature range-50 to +125 °C (-58 to +257 °F)

Ambient temperature range-40 to +60 °C (-40 to +140 °F)

Sensor housing material1.4301 (304), corrosion resistant

Transmitter housing materialAlSi10Mg, coated

Degree of protectionIP66/67, type 4X enclosure

Display/Operation

No local operation

Configuration via operating tools possible

OutputsNone

InputsNone

Digital communicationModbus RS485

Power supplyDC 20 to 30 V

Hazardous area approvalsATEX, IECEx, cCSAus, NEPSI, INMETRO

Product safetyCE, C-Tick

Liquids

Metrological approvals and certificates

Calibration performed on accredited calibration facilities (acc. to ISO/IEC 17025)

Pressure approvals and certificates

PED, CRN

Material certificates

3.1 - Material

More information www.at.endress.com/D8EB