

LPGmass D8EB coriolis-flowmeter

De tank- en distributietoepassing-flowmeter met eenvoudige systeemintegratie



Meer informatie en actuele prijzen:

www.be.endress.com/D8EB

Voordelen:

- Uitstekende operationele veiligheid – betrouwbaar onder extreme omstandigheden
- Minder procesmeetpunten – multivariabele meting (flow, dichtheid, temperatuur)
- Ruimtebesparende installatie – geen in-/uitlaatlengten
- Ruimtebesparende transmitter – volledige functionaliteit in een zeer kleine ruimte
- Snelle inbedrijfstelling – vooringestelde instrumenten
- Automatisch herstel van gegevens voor onderhoud

Overzicht specificaties

- **Max. meetfout** 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)

Toepassingsgebied: De LPGmass is speciaal ontwikkeld voor flowmeting van LPG voor toevoeren en lossen van vrachtwagens. Deze combineert een geïntegreerde temperatuurmeting met intelligente conversiefuncties en levert zo volumecorrectie direct ter plaatse. De LPGmass heeft de voorkeur van systeemintegrators, skidbouwers en productfabrikanten.

Kenmerken en specificaties

Liquids

Meetprincipe

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. meetfout

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

Meer informatie www.be.endress.com/D8EB