

MICRO MOTION LNG DISPENSER SOLUTION

The LNG Series Coriolis flow meters are specifically designed for LNG dispenser applications, offering a smart solution to overcome the challenges of measuring LNG while meeting both domestic and international regulation requirements.

LNG Series offers:

- Higher reliability to the system
- Reduced complexity
- Minimized supply chain efforts
- MID / OIML Custody Transfer approvals

Innovative and Integrated Solution

- Achieve total mass balance in the system by measuring both the liquid supply to the vehicle and the gas being returned to the storage tank
- 2 in 1 dual core processor:
 - 1 processor can drive and handle the signal of 2 sensors simultaneously
 - 1 RS485 + 1 USP output can configure the parameter of 2 sensors at the same time
- Hardware switch can change the meter between custody transfer mode and configuration mode

Compact Design & Enhanced Reliability

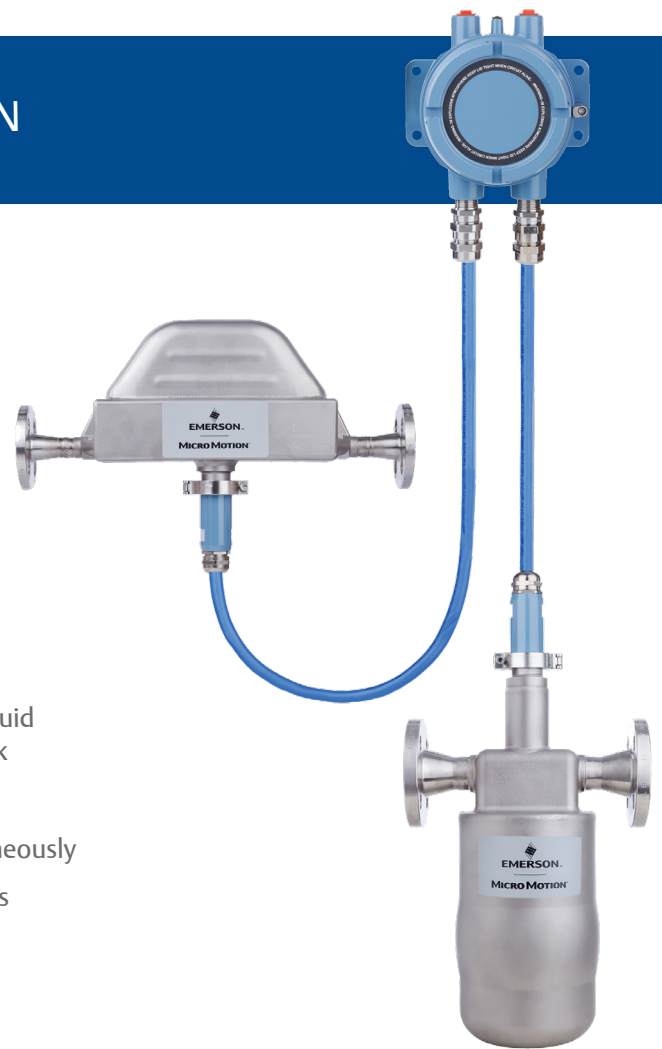
- Compact design saves installation space
- Drastically reduce sensor footprint by measuring both the liquid supply and gas return with only three pieces of equipment
- Aviation plug joint provides a secure and reliable electronic connection that prevents moisture ingress

Optimized Electronics & Software

- Patented automatic temperature compensation technology improves cryogenic measurement confidence
- 2 in 1 dual core processor with built-in safety barrier enhances reliability and saves cost

Additional Features

- Completed metrology & safety approval
- Meets requirements of domestic and international regulations with MID/ OIML custody transfer approval for LNG



LNG Series Specifications

	LNGM10	LNGS06
Max Mass Flow	11400kg/h	1800 kg/h
Line Sizes	DN25	DN6
Mass Flow Batch Accuracy	± 0.5% of batch (Filling)	±0.5% of batch (Gas Return)
Wet Material	316 SS	
Operation Temperature	-196 ~ 60°C	
Explosion-proof Approval	NEPSI, ATEX, CSA	
Output Signal	RS485	New Features
Supply Power	24VDC	
Electronics Explosion-proof type	Explosion-proof enclosure	
Mode Exchange	Hardware switch control for custody transfer and configuration mode	
Service Terminal	Dedicated Terminals	
Zero Point Log	Latest 20 zero log	
Plant Configuration	Restore anytime	



820 Electronics



- Integrate two meters with one electronics
- Built-in lock out switch
- Electronic safety barrier

Liquid Supply Meter



- Low operating frequency
- Not sensitive to external vibrations
- High accuracy with changes in process temperatures