

SPECIFICATIONS

MA-4 Positive Displacement Meter for LPG Motor Fuel Dispensers

**LIQUID
CONTROLS**
A Unit of IDEX Corporation



The Liquid Controls MA-4 Meter is a specially designed meter for LPG Motor Fuel Dispensers. The meter features an aluminum body with integral bolted on strainer/vapor eliminator and differential valve. No metal-to-metal contact inside the measuring chamber minimizes internal wear and assures sustained accuracy.



Refer to the reverse side of this publication for meter dimensions.

Parameter	Specification
OPERATING/DESIGN SPECIFICATIONS	
Design type	Positive displacement
Construction	
Meter Housing	Cast aluminum
Internal components	Aluminum, Ni-Resist, and stainless steel
Seal materials	UL Recognized Component: Buna N
Differential Valve	Cast Iron
Capacity (Flow Range)	2.5 to 40 gpm [9.5 to 151.5 lpm]
Operating Pressure	0 to 350 psi [24.1 Bar]
Minimum Burst Pressure	1750 psi [120.5 Bar]
Temperature Range	-40 to +160F [-40 to +71.1C]
Connections	1" NPT Threaded
ACCURACY/PERFORMANCE	
The accuracy, linearity and repeatability of the meter exceed all requirements from NIST Handbook 44, the Canadian Weights and Measures Acts and Regulations and the European and Australian OIML R117 Requirements. Electronic linearization device (LC SCAMP Pulser) is required to achieve optimal accuracy across full flow range. Definition of terms per ISA S50.1.	
Accuracy	Suitable for Custody Transfer Worldwide
Linearity	+/- 0.5%
Repeatability	0.24%
HAZARDOUS LOCATION AND ENCLOSURE RATINGS FOR ACCESSORY ELECTRICAL DEVICES ATTACHED DIRECTLY TO METER	
Hazardous Location Rating	Class 1, Division I, Group D (LPG)
Enclosure Type	NEMA 4X
REGULATORY APPROVALS	
Custody Transfer	NTEP (USA); Pending: Measurement Canada and Nmi
Safety	NFPA 58, UL 25

