# Neptune 4D-MD
LPG Dispenser
with E1000 Electronic Register

## A Simple, High Performance Solution For Dispensing LPG

**Direct Retrofit for Mechanical Registers • Battery Powered
Power-Saving Sleep Mode • Intrinsically Safe • NEMA 4X Enclosure
Large Six-Digit Display • Volume or Flow Rate in Gallons, Liters, or Barrels**

Electronic registration improves the accuracy and efficiency of LPG dispensing operations. Easy to install and operate, electronic registers replace hundreds of moving parts with an accurate, reliable solid-state counter that requires little maintenance. Automatic electronic calibration eliminates the need for change gears.

The 1" 4D-MD meter is ideal for dispensing LPG into portable containers. The Neptune double-case oscillating piston design is the industry standard for accuracy and durability. The standard unit includes the base meter with a differential control valve, combination vapor eliminator/strainer, continuous bleed pressure relief valve, and tubing kit. The piston is treated with a special coating which protects it from damage by impurities and ensures smooth performance at low flows and high pressure.

The E1000 electronic register is available on new metering systems or as a direct retrofit to 4D-MD meters with 600 series adapters.
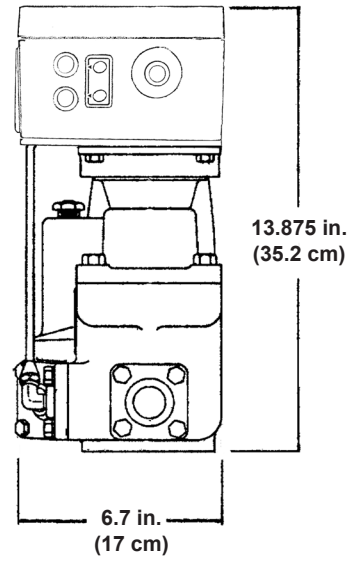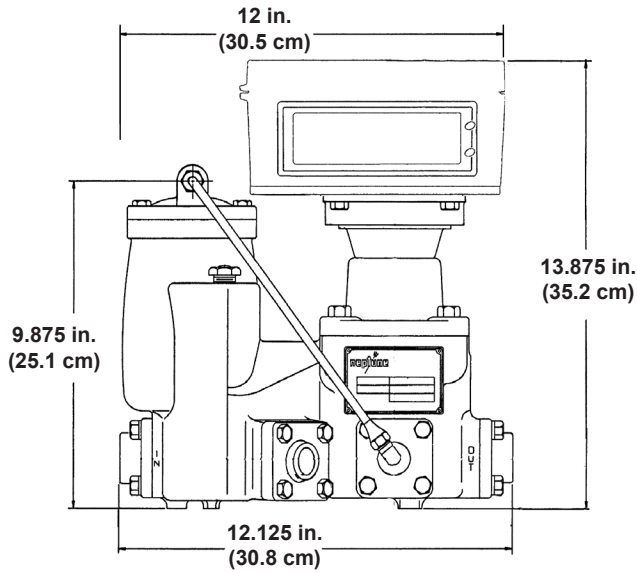
E1000 specifications:
> Battery: Lithium, 3.6V, 2 year life
> Size: 8.9 in. x 6.3 in. x 5.5 in.
  (22.5 cm. x 16 cm. x 14 cm.)
> Weight: 6.5 lbs (2.95 kg)
> Register temp. range: -13 to 158 °F (-25 to 70 °C)

System specifications:
> Size: 12.125 x 13.875 x 6.7 in. (30.8 x 35.2 x 17 cm)
> Flow rate: 3 to 18 gpm  (11 to 68 lpm)
> Operating pressure: 15 to 350 psi (1 to 24 bars)
> Meter temp. range: -10 to 140 °F (-23 to 60 °C)

Approved by UL for safety and by the National Conference on Weights and Measures for custody transfer of LPG per NIST/NTEP Handbook 44. (4D-MD cert# 02-047; E1000 cert. # 9-64A1).

**12 in.**
**(30.5 cm)**

**13.875 in.**
**(35.2 cm)**

**9.875 in.**
**(25.1 cm)**

**12.125 in.**
**(30.8 cm)**

**13.875 in.**
**(35.2 cm)**

**6.7 in.**
**(17 cm)**

**RED SEAL**
**MEASUREMENT**

ANAB
ACCREDITED
ISO/IEC 17021
MANAGEMENT SYSTEMS
CERTIFICATION BODY
Certified to
ISO 19001:2015

TÜVRheinland®
Precisely Right.