

SOTERA[®]

SYSTEMS

825P AND 850P DIGITAL DISPLAY NUTATING DISC METERS

Pulse and 4-20 mA Capabilities



The Meter with a Pulse!

The 800 Series Digital Meter features nutating disc, positive displacement technology. This simple to use, durable meter provides current and cumulative flow totals, and is field programmable for convenience and versatility. It will measure fluids in ounces, pints, quarts, liters, gallons, and in user specified units. The “P” designation in the model number tells you this meter has pulse output, making it an excellent choice for batching, FMS and PLC systems, and remote monitoring.

Series 825P (Standard Model)

The 825 meter offers the versatility of mounting in line, at the end of the hose, or directly to a pump, like the Sotera rotary vane or 400B series Diaphragm Pumps.

Series 850P (Mass Air Sensor Model)

The 850 series meter offers all the great features of the 825, and also incorporates a mass air sensor that distinguishes between fluid and air. As a result, the 850 stops metering when you finish emptying a container, improving the accuracy by not metering the air.



850P



Features

- DEF/AdBlue Compatible
- Easy to Read Digital LCD Display
- Ounces, Pints, Quarts, Liters, Gallons and User Defined Units
- 4-20 mA Output
- Waterproof, Corrosion-Resistant Body
- Glass-Filled Polypropylene Housing
- Excellent Choice for Batching and Dosing
- CE Certified



825P

	825P
Flow Rate	2-20 GPM / 7-75 LPM
Accuracy	+/- 0.5%
Max Pressure	120 PSI / 8.27 BAR
Temperature Range	-10° to 130°F / -23° to 54°C
Power Source	5 - 24 VDC
Display	360° Positioning LCD Display
Construction	Glass-Filled Polypropylene Housing
Seals	Fluorocarbon Seals (Optional EPDM Seals available)
Inlet/Outlet	1" NPT Ports
Calibration	Quick, One Step Calibration
Pulse Rate	10/100, internal counts per gallon
Analog Output	4 - 20 mA
Included	Two Lithium CR2032 Batteries

Feature

Mass Air Sensor

850P

	850P
Flow Rate	2-20 GPM / 7-75 LPM
Accuracy	+/- 0.5%
Max Pressure	120 PSI / 8.27 BAR
Temperature Range	-10° to 130°F / -23° to 54°C
Power Source	5 - 24 VDC
Display	360° Positioning LCD Display
Construction	Glass-Filled Polypropylene Housing
Seals	Fluorocarbon Seals (Optional EPDM Seals available)
Inlet/Outlet	1" NPT Ports
Calibration	Quick, One Step Calibration
Pulse Rate	10/100, internal counts per gallon
Analog Output	4 - 20 mA
Included	Two Lithium CR2032 Batteries

Compatible Fluids:

- Diesel Exhaust Fluid
- Crop Oil
- Diesel Fuel
- Mild Acids
- Water
- Pesticides
- Gear Oil
- Mineral Spirits
- Soaps
- And More
- Fertilizers
- Motor Oil
- Ethylene Glycol
- Detergents

