



SMC-1000

Flow Meter System Product's Line

SMC-1100
Head Control
Electronic

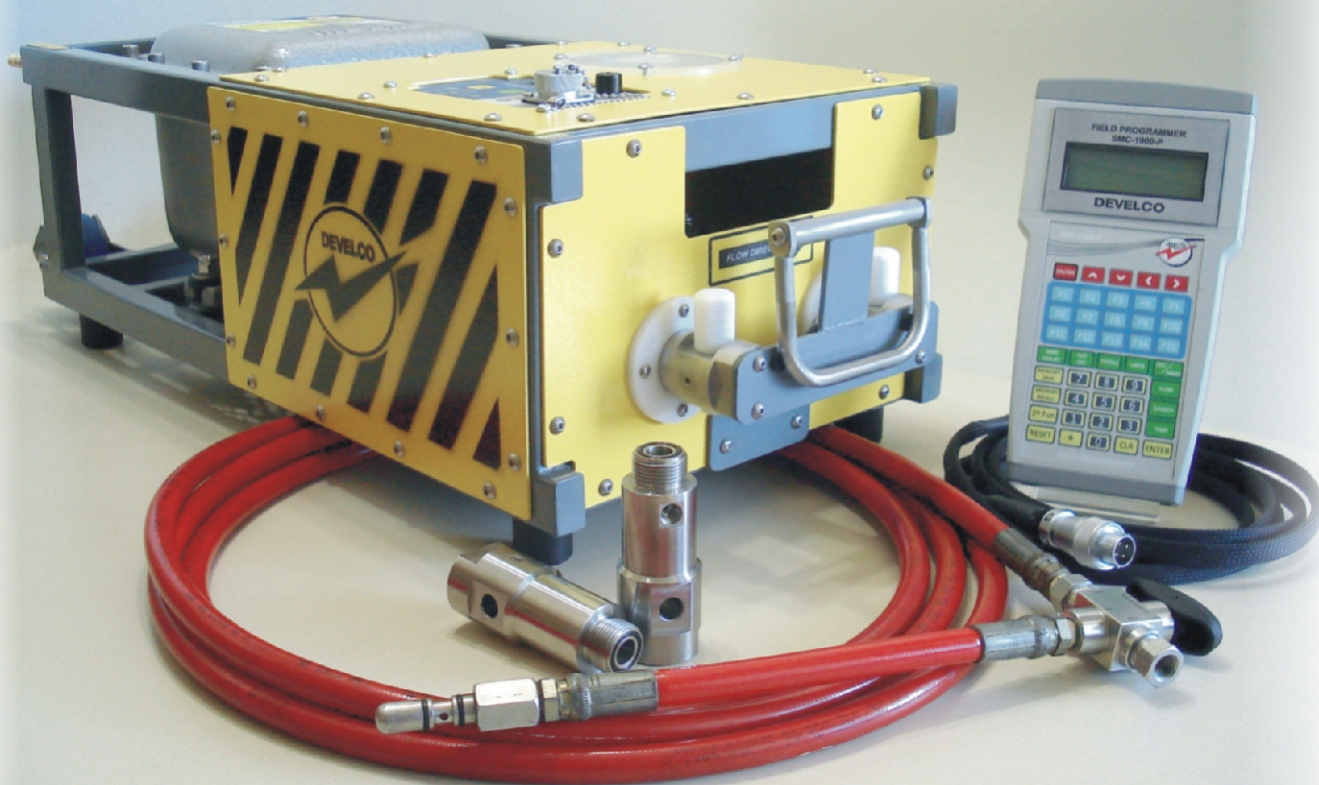
SMC-1200
Coriolis
Flow Meter

SMC-1300
Dispensers
Controller

SMC-1400
Electrical Safety
Devices

SMC-1500
Reference and
Calibration Systems

SMC-1500 Reference and Calibration Systems



SMC-1502 Portable Reference Meter

Unique Reference Meter on the market with approval to work in hazardous area. It is equipped with a **SMC-1200VH** Flowmeter 70 kg/min. of High performance Measurement, suitable for calibration of Low, Medium and High Flow Dispensers. Controlled by an intrinsically safe handheld, which amongst other parameters are displayed: Unit Status, Flow, Totalizer, Temperature and Density. Robust and lightweight structure with handle and wheels for easy handling.



**BUREAU
VERITAS**



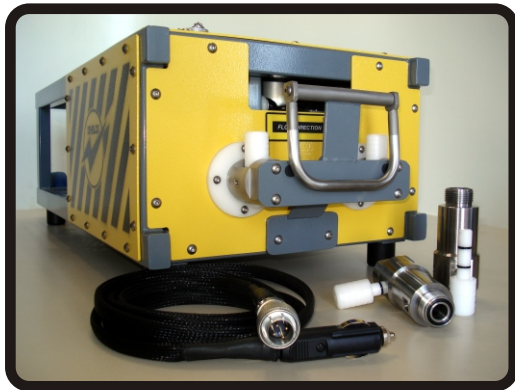
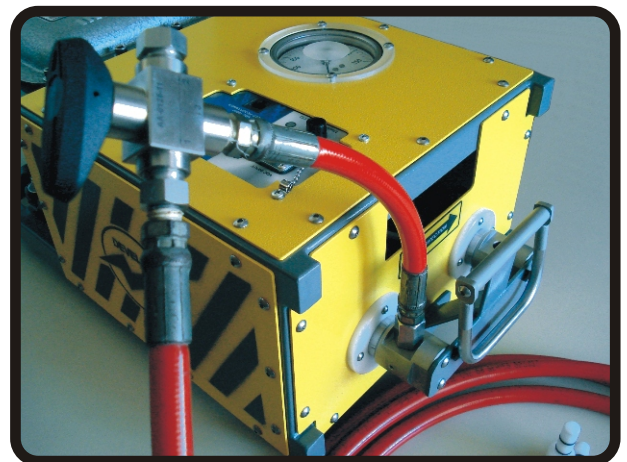
SMC-1500

TECHNICAL INFORMATION

SMC-1502 Portable Reference Meter.

Mechanical Features.

- Modular design constructed entirely of structural steel high strength and aluminum panels alloyed.
- Gas connections with O-rings allow a fast assembly and unlimited number of connections/disconnections.
- Interchangeable accessories for different loading nozzle.
- Industrial Design, robust, easy transport and reduced weight (29 Kg).
- Screws and nuts Stainless steel AISI 304, anchored in all the screw joints.



Electrical Features.

- Battery-Operated long-Term (30 Hr. in continuous use, guarantee).
- Intelligent Protocol Charge Battery.
Exclusive Microcontroller Inverter System, extends useful life of charge optimizing the use of Portable Meter.
- Battery recharging of unit through a conventional charger or 12 Vdc connector of any vehicle.

Special Features.

- The Reference Meter allows the user can enter the scale's density for equated with the dispenser. It also allows entry into the **SMC-1900P** Field Programmer cubic meters of gas provided by the dispenser and calculate the error rate on the balance.





SMC-1500

TECHNICAL INFORMATION

SMC-1502 Portable Reference Meter.

General dimensions.

Long: 770 mm
Width: 326 mm
Height: 233 mm
Weight: 29 Kg.



Flow Meter Features.

SMC-1201VH Mass Sensor

Main Measurement Variable

Flow.

Variables Measured and Reported

Flow rate, mass and volume totalizer, density and temperature.

Maximum Flow Rate

SMC-1201VH (70 Kg/min.).

Resolution

Typical 1 gram, configurable by the user according to the technical needs of fields device.

Measurement Uncertainty

Less than 0,5/0,25 % for gases/ liquids fluids over all dinamic range from -30 to 70°C.

Maximum Operation Pressure

350 Kg/cm.

SMC-1920T Flow Processor (Mass Sensor Transmitter)

Input Voltage

10 - 28 Vac 50/400 Hz / 10 - 35 Vdc.

Maximum Power

Less 4 watts in any condition.

Output Signal

Analog output: Pulses output.
Digital output: Serial Data Communication Channel.

Electrical Safety

Intrinsically Safe according to Standard Classification
IRAM-IAP-IEC 79-0/11 Ex ["ib"] IIB T4.