

SKU R1900CDBSPT · R1900CD1.5BSPT · R1900CDP1.5BSPT · R1900CDPX1.5BSPT

FILL-RITE 900CD Series Digital Fuel Meter

Battery powered nutating disc meter with a 4 digit LCD and BSPT ports. Pulse output models suit fuel management systems, and the 900CDP1.5BSPT comes with an intrinsically safe barrier.



23 to 151 L/min

Flow rate range

±1.25%

Accuracy. Repeatability ±0.25% at calibrated rate

BSPT

1 in or 1.5 in ports

Key features

- 4 digit resettable counter, 0.01 to 9999 units
- 7 digit master totaliser plus a 7 digit resettable totaliser
- Reads ounces, pints, quarts, litres, gallons or one special unit
- Display rotates for horizontal or vertical mounting
- P and PX models add a pulse output for fuel management systems
- Deep sleep mode for flushing without counting

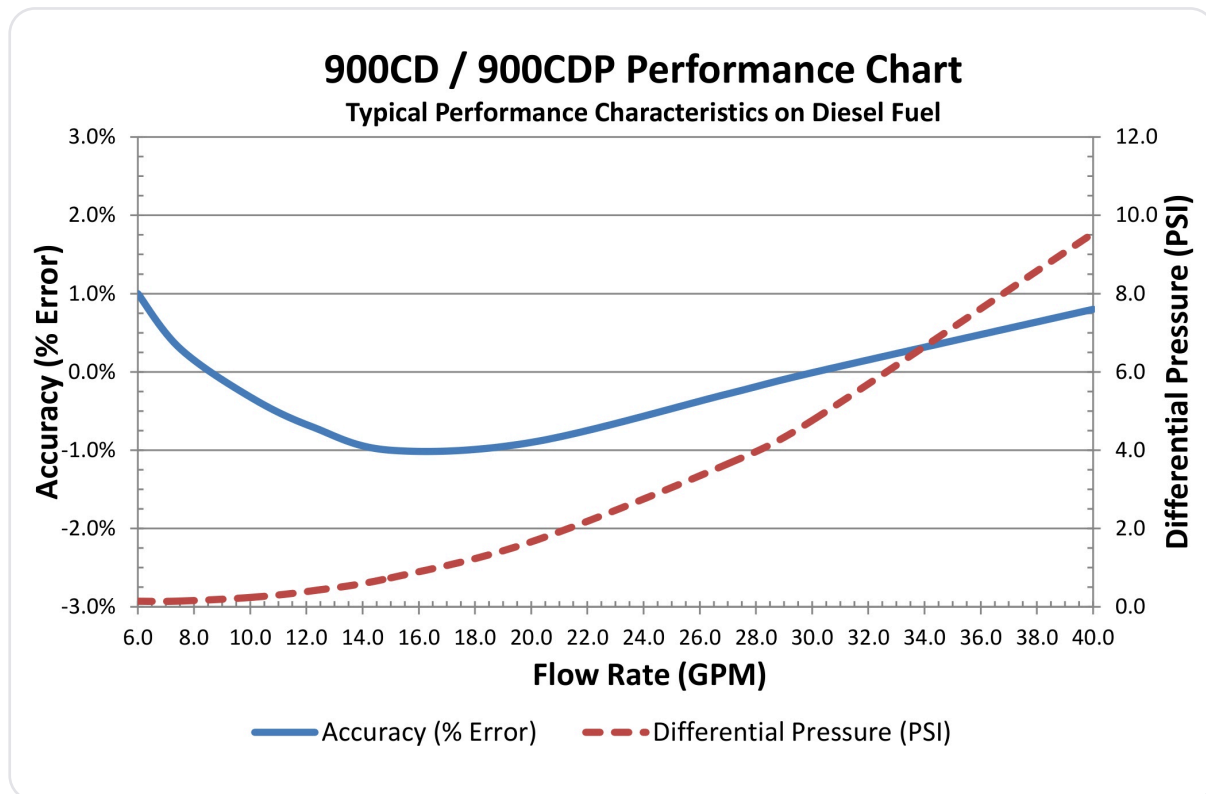
Technical data

SPECIFICATION	VALUE
Order codes	R1900CDBSPT, R1900CD1.5BSPT, R1900CDP1.5BSPT, R1900CDPX1.5BSPT
Fill-Rite models	900CDBSPT, 900CD1.5BSPT, 900CDP1.5BSPT, 900CDPX1.5BSPT
Flow range	23 to 151 L/min (6 to 40 US GPM)
Accuracy	±1.25%. Repeatability ±0.25% at calibrated flow rate
Pressure rating	50 psi (3.5 bar)
Connections	1 in BSPT (900CDBSPT). 1.5 in BSPT (other models)
Fluids	Diesel, petrol, kerosene, mineral spirits, heptane
Display	4 digit counter. 7 digit master and 7 digit resettable totalisers
Power	2 x AA alkaline. P models also take external power
External power, P models	Via barrier: 12 to 40 VDC or 90 to 240 VAC, 50 to 60 Hz. Direct DC, safe areas only: 7.5 to 28 VDC, 0.2 A
Pulse output	P and PX models. Current sink, 20 mA max load without barrier
Intrinsically safe barrier	Included with 900CDP1.5BSPT. Not with 900CDPX1.5BSPT
Materials	Aluminium housing, fluoroelastomer seals
Operating temperature	-40 to 60 °C

Installation and use

In an explosive atmosphere the P model must be wired through its intrinsically safe barrier, and AC power can never be applied to the meter directly. Wiring must be done by a licensed electrician.

Performance



Typical accuracy (% error) and differential pressure (psi) against flow (US GPM) on diesel, 900CD and 900CDP. Fill-Rite data.