

500 Series

Oval Gear Meter



The Standard of Measurement



www.TCSmeters.com

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Design Principle

The Oval Gear meter is a precise positive displacement flow meter incorporating a pair of oval geared rotors. These meters are capable of measuring the flow of a broad range of clean liquids. Stainless Steel flow meters are suited to most water based products, chemicals and lubricating liquids.

The flow meter is available as a blind pulse meter with a non-factored pulse output capable of interfacing to most monitoring and control instrumentation.

Specifications

FLOW RANGE:	4 to 180 GPH (15 to 681 LPH)
LINEAR ACCURACY:	Capable of $\pm 1\%$
REPEATABILITY:	Capable of 0.03%
OPERATING PRESSURE:	Up to 150 PSI (10.5 BAR)
TEMPERATURE RANGE:	-35°F to 176°F (-37°C to 80°C)
CONNECTIONS:	3/8" NPT
HALL EFFECT OUTPUT:	3 wire open collector, 5-24vdc at 20 mA max
PROTECTION CLASS:	Built to IP66/67 (NEMA 4X)

Meter Materials of Construction

Description	SS
Housing	304 Stainless Steel
Sintered Gears	304 Stainless Steel
Seals	FKM, PTFE or Neoprene Available



2515 Charleston Place
Fort Wayne, Indiana 46808
United States of America

www.TCSmeters.com
sales@tcsmeters.com
(260) 715-4500



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