

# 500 Series

## Oval Gear Meter



### 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

<b>FLOW RANGE:</b>	4 to 180 GPH (15 to 681 LPH)
<b>LINEAR ACCURACY:</b>	Capable of $\pm 1\%$
<b>REPEATABILITY:</b>	Capable of 0.03%
<b>OPERATING PRESSURE:</b>	Up to 150 PSI (10.5 BAR)
<b>TEMPERATURE RANGE:</b>	-30°F to 176°F (-34°C to 80°C)
<b>CONNECTIONS:</b>	3/8" NPT
<b>HALL EFFECT OUTPUT:</b>	3 wire open collector, 5vdc at 20 mA max
<b>PROTECTION CLASS:</b>	Built to IP66/67 (NEMA 4X)

### Meter Materials of Construction

Description	SS
Housing	316 Stainless Steel
Sintered Gears	316 Stainless Steel
Seals	EPDM, FKM, PTFE or Neoprene Available



The Standard of Measurement

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

www.TCSmeters.com  
sales@tcsmeters.com  
(800) 348-4753  
(260) 484-0382



Made in U.S.A.

© 2018 Total Control Systems  
TCS 910002.001