



Precision Meter Data

TS10CV

Mechanical Flow Meters

MODELS: TS10CV03, TS10CV04,

TS series oval gear positive displacement precision meters offer weights and measures accuracy for fluid custody transfer. Using only two moving parts, the oval gear design provides smooth and accurate operation. This package matches a TS10 precision meter to a mechanical register. Refer to Precision Meter Technical Manual or Precision Meter Price book for a complete list of options.



TS10CV04

Specifications

Capacity with standard rotors

Standard 10:1 Turn-down

To 1500 SSU viscosity (300cP)	40 GPM (150 lpm) max
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Pressure Rating

Meter	150 psi at 100°F = 10 bar at 40°C
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Temperature Rating

Meter	-15°F to +176°F = -26°C to +80°C
MID Approval	-13°F to +131°F = -25°C to +55°C

Viscosity

Standard Rotors (Low Viscosity)	0 - 300 cp (1500 ssu)
High Viscosity Rotors	> 300 cp (1500 ssu)

Connections

Standard	1" Bolted companion flanges with NPT or BSP threads
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Safety Approvals

CE, ATEX	Meter Only
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Materials

Case	316 Stainless Steel
Gears	PPS with carbon bearings, PTFE bearings optional
Posts	Hard chromed Stainless Steel
Seals	PTFE
Flanges	316 Stainless Steel

Measurement Approvals

NTEP	99-210	8 - 40 GPM (30 - 150 lpm)
MID	GB-1366	4 - 40 GPM (15 - 150 lpm)

Registration, Signals and Accessories

Mechanical Registers

Register	#7887 standard (5 digit reset & 8 digit totalizer)
Register Volume	1/10 gallon or whole liters

Accessories



	Pulser kits are available
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Excellence in life.

Model Number Specifications

TS					Max Flow																
10					Inlet/Outlet Size	GPM	GPH	lpm	m³/h												
					10	1" 25 mm	40	2,400	150	9											
C	C	Material	316 Stainless Steel																		
Assembly Number																					
Flange	A B	NPT BSP																			
Register Calibration	T L	Mechanical Register	1/10 US gallons 1/1 liter																		
Pressure Rating	C	150 PSI (10 BAR)																			
Rotor & Bearing	B I J	Type Mat'l Bearing	<table border="1"> <tr> <td>B</td> <td>LV</td> <td>PPS</td> <td>Carbon</td> </tr> <tr> <td>I</td> <td>HV</td> <td>PPS</td> <td>Carbon</td> </tr> <tr> <td>J</td> <td>HV</td> <td>PPS</td> <td>PTFE</td> </tr> </table>							B	LV	PPS	Carbon	I	HV	PPS	Carbon	J	HV	PPS	PTFE
B	LV	PPS	Carbon																		
I	HV	PPS	Carbon																		
J	HV	PPS	PTFE																		
Drive	M	Mechanical																			
Pulsar	X	None																			
Seals	B	PTFE																			
Strainer	X	None																			
Basket Mesh	X	None																			

V03		Meter Only - No Register (Register Ready), Calibrator, RAD Adaptor, No Ratio Gear Plate (Distributor to Add)
V04		Meter Only - Calibrator, RAD Adaptor, Ratio Gear Plate & Register

TS10CV04

