



Precision Meter Data

TS30CV

Mechanical Flow Meters

MODELS: TS30CV03, TS30CV04, TS30CV06, TS30CV07
TS30CV09, TS30CV11, TS30CV13, TS30CV17

TS series oval gear positive displacement precision meters offer weights and measures accuracy for fluid custody transfer. The patented "Wave Form" oval gear design provides smooth and accurate operation in the meters only two parts. This package matches a TS10 or TS15 precision meter to a register. Refer to Precision Meter Technical Manual or Precision Meter Price book for complete list of options.

TS30CV13

Specifications

Capacity with standard LV rotors

To 1500 SSU visc. (300cP) | 200 GPM (760 lpm)

Pressure Rating

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

Temperature Rating

Meter | -15°F to +180°F = -26°C to +80°C
MID Approval | -13°F to +131°F = -25°C to +55°C

Viscosity

With LV rotors | 100% capacity to 1,500 SSU (300 cP)
With HV rotors | 100% capacity to 5,000 SSU (1000 cP)

Connections

Standard | 3" Bolted companion flanges with NPT or BSP port.
Optional | Bolted welding flanges
Bolted 150# RF ANSI adaptors, carbon steel

Materials

Case | Anodized aluminum
Gears | PPS with carbon bearings, PTFE bearings opt.
Posts | Hard chromed Stainless steel
Seals | Viton™ standard, PTFE optional.
Flanges | Anodized aluminum std., carbon steel optional.

Pulser

None
Optional | 10:1 dry reed on mechanical register
100:1 solid state on mechanical register

Pulse Resolution

| | 10:1 | 100:1 |
|----------------------|----------------------|----------------------|
| 1/10 Gallon register | 10 Pulses Per Gallon | 10 Pulses Per Gallon |
| 1/10 Liter register | 10 Pulses Per Liter | 10 Pulses Per Liter |

Measurement Approvals

| | |
|--------------------|---------|
| NTEP | 99-210 |
| MID | GB-1366 |
| Measurement Canada | AV-2360 |

Safety Approvals

| | |
|----------|------------|
| CE, ATEX | Meter Only |
|----------|------------|

Registration, Signals and Accessories

Mechanical Registers

| | |
|-----------------|--|
| Register | #7887 standard (5 digit reset & 8 digit totalizer) #7886 standard (5 digit reset & 8 digit totalizer) |
| Register Volume | 1/10 gallon or 1/10 liter standard 1/10 gallon or whole liter optional |
| Preset Counter | #7889 2-stage shut-off, optional micro switch kit in X-Prf enclosure |
| Ticket Printer | #7888 Zero Start standar, accumulative optional |




Accessories

Inlet strainer for flow meter protection, air eliminator mounted on strainer, backpressure valve for enhanced air elimination on trucks, air check valve on flow meter outlet side, mechanical preset valve and electronic preset and system.

Model Number Specifications

| | | | | | | | |
|-------------------|--|---|---|--|--|--|--|
| TS | | | | | | | |
| 30 | | | | | | | |
| A | C | Material | | | | | |
| Assembly Number | | | | | | | |
| Flange | A B C | NPT BSP 150# ANSI Adaptors | | | | | |
| Rotors & Seals | | | Seals | Rotors | Bearings | | |
| Signal Conditions | T G L H K | Volt 5-24 5-12 5-12 24 24 | TBB ~1768 PPG 100 PPG SCL 10 PPL SCL 100 PPG SCL 10 PPL SCL | Viton Viton Viton Viton PTFE PTFE PTFE | LV HV LV HV LV HV LV | PPS/Carbon PPS/Carbon PPS/PTFE PPS/PTFE PPS/Carbon PPS/Carbon PPS/PTFE | |
| ATEX Gland | A | ATEX Gland | | | | | |
| Languages | E S X | English Spanish Not Applicable | | | | | |

| | Size | Nominal Capacity | GPM | GPH | lpm | m ³ /h |
|-----------|------|------------------|-----|--------|-----|-------------------|
| 30 | 3" | 80 mm | 200 | 12,000 | 760 | 46 |

| | | |
|------------|---|--|
| 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 |
| V07 |  | V04 + Zero Start Ticket Printer |

TS30CV04