



**TS10AV04ALCBMXAXX**

Meter with Mechanical Whole Liter Register

**TS10A, 1"**

**Anodized Aluminum, Mechanical**

- Only two moving parts
- No metal to metal contact in chamber or bearings
- Patented 'Wave Form' oval gear design
- Low differential pressure for maximum flow

**Specifications**

- **Nominal Capacity with standard LV rotors:**

To 1500 SSU visc. :	<b>40 GPM</b>	} <i>NTEP</i> 5:1 turn-down <i>Industrial to 30:1 turn-down</i>
To 300 cP viscosity :	<b>150 lpm</b>	
To 300 cP viscosity :	<b>9 m<sup>3</sup>/h</b>	
- **Pressure Rating** : 150 PSI at 100°F = 10 BAR at 40°C  
*with 3:1 Safety Factor*
- **Temperature Rating** : -40°F to +180°F = -40°C to +80°C
- **Viscosity**

LV rotors	: 100% capacity to 1,500 SSU (300 cP).
HV rotors	: 100% capacity to 5,000 SSU (1000 cP), reduced capacity to 1,500,000 SSU (350,000 cP).
- **1" Connections** Bolted companion flanges with NPT or BSP port.  
Optional : Bolted welding flanges, anodized aluminum  
Bolted welding flanges, carbon steel  
Bolted 150# RF ANSI adaptors, carbon steel
- **Materials** **100% non-ferrous**

Case	: Anodized aluminum
Gears	: PPS with carbon bearings, Teflon™ bearings opt.
Posts	: HC303SS
Seals	: Viton™ standard, Teflon™ optional.
Flanges	: Anodized aluminum standard, carbon steel opt.
- **Pulsar** None  
Optional : 10:1 dry reed on mechanical register  
100:1 solid state on mechanical register.
- **Pulse Resolution**

	<u>10:1</u>	<u>100:1</u>
1/10 gallon register	10 PPG	100 PPG
1/10 liter register	10 PPL	100 PPL

**Meter Performance**

**Linearity** Over 5:1 turn-down from max. capacity: ±0.175%  
Over 10:1 turn-down from max. capacity: ±0.25%  
Over 30:1 turn-down from max. capacity: ±0.5%

**Repeatability** 0.05% or better under constant conditions

**Approvals** Custody Transfer approvals are liquid specific.  
W&M approval in the US.

• **Flow Meter** CE mark.

**Registration & Accessories**

- **Registration options:**

Register	: #7887 standard (5 digit reset & 8 digit totalizer)
	#7886 optional (6 digit reset & 8 digit totalizer).
Calibration	: 1/10 gallon standard,
	1/10 liter optional.
- **Accessories** If strainer, air eliminator and/or preset valve are required, please see model TS15A.

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ISO 9001:2000 Certified

