HOFFER

Perfecting Measurement™

Ультразвуковые расходомеры серии Transi-Flo I

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ULTRASONIC FLOWMETERS BY

HOFFER

Perfecting Measurement™

TRANSI-FLO I

ULTRASONIC AC POWERED GENERAL INDUSTRIAL METERS

The Hoffer Ultrasonic flow meters of the **Transi-Flo I** single beam and dual-beam type series are intended for flowrate measurements of conductive, non-conductive and aggressive liquids. Ultrasonic flow meters operate on the principle of measuring the difference in transit times of ultrasonic waves traveling in and against the fluid flow direction. The meter consists of a flow sensor and associated electronic unit. Ultrasonic flow meters offer excellent user value and high measurement accuracy over a wide range of flow rates, long-term stability, negligible pressure losses and the capability of measuring the flowrate of virtually any liquid medium.

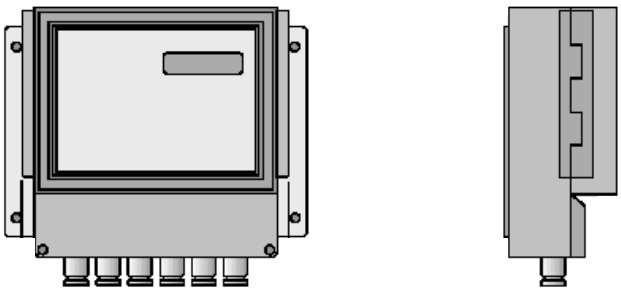
The electronic unit supplies power to both ultrasonic probes and, via its outputs, communicates the flow-rate data to other data processing systems. The meter can be supplied either as an integral system or with a remote electronic unit. The meters are offered in three configurations: **SELECT** (including a display unit and control keyboard, signal outputs), **CLASSIC** (including a display unit, signal outputs) or **EFFICIENT** (signal outputs only). In the integral version, the electronic unit is mounted in an aluminum housing and in the remote version it is fitted into a thermoplastic IP65 enclosure.

TRANSI-FLO I FLOWMETER SPECIFICATIONS	
Line Sizes:	1-1/4" to 12" for both single and dual beam (Bi-Directional)
Nominal Pressure:	232, 580 PSIG
Measurement Accuracy Single Beam:	±1.0% for velocity of the measured liquid v > 0.5m/s
Measurement Accuracy Dual Beam:	±0.5% for velocity of the measured liquid v > 0.5m/s
Temperature of liquid:	32 to 311°F
Ambient Temperature:	41 to 131°F
Display unit:	Alpha-numerical LCD unit, two lines of 16 characters each
Power Supply:	0 to 250VAC, 50 to 60 Hz (AC)
Protection Class (electronic unit) Protection Class (sensor)	IP65—Remote version, IP67—Meter mounted version IP67
Outputs (insulated)	Pulse type, one pulse per 0.1 to 1,000 liters frequency type, 0 to 1,000 Hz or 10kHz (0 to qs) Relay type 24 VAC/0.1A
Options	Communication line RS 485 Extended temperature range: -4° to +356°F (-20°C to + 180°C) Current output 0 (4) to 20mA + (0 to qs) Mass flowrate measurement capability Flowrate measurement in two directions Sensor protection class IP68

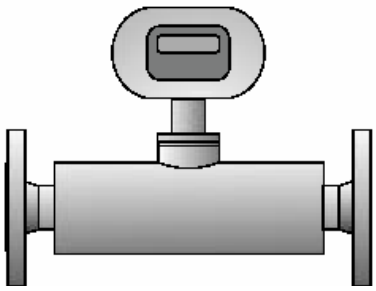
Meter Sizes and Flow Rates

Single Beam Accuracy	Dual Beam Accuracy	Line Size:	1¼"	1½"	2"	2½"	3"	4"	5"	6"	8"	10"	12"
+/-1%	+/-0.5%	Maximum Flow Rate GPM:	88	140	220	352	660	1056	1541	2201	3962	6164	8805
		Minimum Flow Rate GPM:	6.6	10	15	26	39	61	96	140	250	391	559
+/-5%	+/-3%	Minimum Extended Flow Rate:	0.88	1.4	2.2	3.5	6.6	10.5	15.4	22	40	62	88

REMOTE ELECTRONIC UNIT



INTEGRAL METER MOUNTED ELECTRONIC DISPLAY



HOFFER FLOW CONTROLS, INC.

The quality system covering the design, manufacture and testing of our products is certified to International Standard ISO 9001.

TÜVRheinland

EPS-AC-809A

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The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

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