

High Speed Pulser For T4000, TS4000 Cold Water Meters

Sizes: 1/2" - 12"



Materials

Pulsar Can	90% copper alloy
Pulsar Lens Cover	Cast Acrylic
Sensor	Hall effect 50/50 switch ratio
Magnet	Plastic Bonded Ferrite (2 pole)
Pulse Connection	Three core PVC Shielded cable

Electrical Specification

Supply		Source current	
voltage	6-24VDC	@6V	0.6 mA
current (max)	13.5 mA	@24V	2.0 mA
current (nominal)	6.0 mA	Max current sink	10.0 mA
		Output resistance	10 Kohms

Physical

Water & Dust Protection	NEMA 4
Storage Temp	-4F/-20C to 158F/70C
Working Temp	Flowing water to 120F

Wiring Specification

Red	(+) Positive Power Supply
Black	(-) Negative / Ground
Clear / White	Output signal

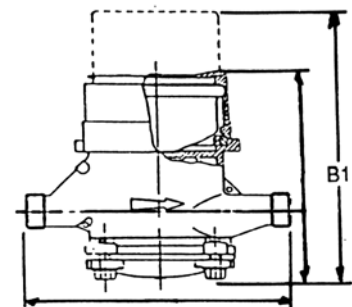
HSP Contact Rates

Meter Size	USG	CU FT	Cubic Meter
	#pp/USG	#pp/Ft3	#pp/Liter
1.5" - 2"	0.834	6.24	0.220
3"	0.808	6.04	0.213
4"	0.783	5.86	0.207
6"	0.0834	0.624	0.022
8"	0.1074	0.803	0.028
10"	0.0808	0.604	0.021
12"	0.0537	0.402	0.014

The HSP (High Speed Pulse) adds a higher frequency output capability to T4000 series turbine meters while retaining the direct read register readability of the Missouri style register. The unit can be field retrofit, replacing the existing Missouri style register can using the appropriate register housing and retaining ring combination.

The sensing element is a Hall Effect magnetic switch. The unit is applicable for rate indication, batch control, and totalization when used with appropriate Elster electronics. The unit may also be wired to third party systems provided they accept the electrical specifications listed.

Add 2.5" to the meter height dimension (B1) to allow for the pulser cable bend.



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IND-HS-PUL/01/09