

B Pulser

C700 Polymer Body 5/8" x 1/2"

5/8" x 3/4"

HSP for Bronze Body 1/2" - 2"

Positive Displacement

Cold Water Meters



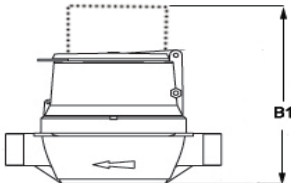
Materials

Pulser Can	90% Copper Alloy
Pulser Lens Cover	Polycarbonate
Terminal Cover	Polypropylene
Terminal Screws	Brass
Pulser Housing	Reinforced Acetal Copolymer
Seal or Locking Screw	Stainless Steel
Seal Nut	Brass
Pulser Support Ring	ABS
Limit Switch	Rated at 3 Amps

Dimensions

New Dimension for C700 polymer body w/B pulser

5/8" x 1/2"	7 3/16"
5/8" x 3/4"	7 3/16"



Type "B" 5/8" polymer body C700

The unit requires power from an external source. The "B" pulser is a copper can register option that fits in place of the direct read register. No lid is used with the pulser. The unit can provide contact closures to 3 amp @ 125 VAC max, depending on the power supplied. The contact closure is a normally open snap action limit switch. The pulser is suitable for use with remote counters, batch controllers or appropriate data collection devices. NOTE: This unit is normally wired in series.

Contact closure rates are:

Size	USG Contact Rate	M3 Contact Rate
5/8" x 1/2"	1 cont/gal	1/liter
5/8" x 3/4"	1 cont/gal	1/liter



HPS Contact Rates

Meter Size	USG	CU FT	M3(litre)
	Cont/Gal	Cont/CuFt	Cont/L
	Std	Std	Std
5/8" x 1/2"	115.2	862	30.43
5/8" x 3/4"	115.2	862	30.43
3/4" x 3/4"	66.6	498	17.59
1"	30	224.4	7.9
1.5"	11.3	84.3	2.48
2"	8.14	60.88	2.14

All units are magnetically driven which eliminates miscoupling and leak problems associated with unsealed units (e.g. packing glands).

Dimensions:

Add 2-3/4" to centerline to top dimension from C700 Specification Sheet.

Materials

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

Electrical Specification

Supply Voltage	6-24 VDC
Supply Current	
(mA max.)	13.5 mA
(mA nominal)	6.0 mA
Output resistance	10 k Ohms
@ 6V Supply Source Current	0.6 mA
@ 24V Supply Source Current	2.0 mA
Max. Sink Current	20 mA

Physical

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

Interface Specification

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



HSP (High Speed Pulse) adds a high frequency output capability to bronze body C700 meters while retaining the direct read register readability. The unit is a Missouri style register can that can retrofit direct read meters using appropriate retaining ring and housing combinations. The sensing element is a hall effect magnetic switch providing a 50/50 switch ratio.

The unit is applicable to rate indication, batch control or totalization when used with appropriate Elster electronics. The unit may also be wired directly to third party systems provided they accept the electrical specifications listed.

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