PR6 and PR7

Domestic and commercial electronic pulse transmitters

Product specification

PR6 Designed for the V200 range of volumetric meters and H4000P and S2000P bulk meters

Meter pulse factor	Pulser type	K factor	Primary output pulse weight litres/pulse	Secondary output pulse weight litres/pulse
PR6P:1	PR6	1:1	1	1
	PR6	1:10	1	10
	PR6	1:100	1	100
	PR6	1:1000	1	1000
PR6P:10	PR6	1:1	10	1
	PR6	1:10	10	10
	PR6	1:100	10	100
	PR6	1:1000	10	1000

PR7 Designed for the H4000 and S2000 range of bulk meters

Meter pulse factor	Pulser type	K factor	Primary output pulse weight litres/pulse	Secondary output pulse weight litres/pulse
PR6P:1	PR7	10:10	10	10
	PR7	*1:	1	no output
	PR7	*1:10	1	10
	PR7	*1:100	1	100
	PR7	*1:1000	1	1000
	PR7	10:100	10	100
	PR7	25:50	25	50
PR6P:10	PR7	10:10	100	100
	PR7	*1:	10	no output
	PR7	*1:10	10	100
	PR7	*1:100	10	1000
	PR7	*1:1000	10	10000
	PR7	10:100	100	1000
	PR7	25:50	250	500

D.flag = Direction flag   C.flag = Compensation flag

*The PR7 pulser is used on the H4000 bulk meter, as a result the pulse per litre high speed output is very quick.
It should only be used with data loggers which are capable of registering 5ms pulses (PR7 V1) or 10ms pulses (PR7 V2 or later).

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Vital Connections

Determining the pulse weight

The pulse weight is a combination of the PR6/PR7's K factor and the meter's pulse factor. In all cases the pulse weight is calculated by multiplying the meter's pulse factor by the pulser's K factor. The Primary and Secondary K factors are printed on the pulser label. The meter's pulse factor is found on the dial face or the surrounding shroud.

Connection table

Self power types (2925M1221, 2925M1222 and 2925M1224)					
Primary output		Secondary output		Others	
Yellow	White	Red	Green	Brown	Black
All pulses	D.flag	Compensated pulses	C.flag	Tamper	Common

External power type (2925M1223)					
Primary output		Secondary output		Others	
Yellow	White	Red	Green	Brown	Black
All pulses	D.flag	Power input 3V DC	No connection	Tamper	Common

Power Source   DC 3.6V Lithium battery or external DC 3.6V power supply

Enviroment	Indoor or outdoor use, fixed on the water meter or register
IP Class	IP 68
Operating Temperature	-15˚C to + 70˚C
Humidity Range	Up to 100% RH
Outputs Voltage	30 Volt Max
Sink Current	30 mA max
Pulse Rate	75 Hz max (meter dependant)
Pulse width	PR6: K=1 80ms PR7: K=1 10ms
	PR6: K=10 100ms PR7: K=10 100ms
	PR6: K=100 100ms PR7: K=100 100ms
	PR6: K=1000 100ms PR7: K=1000 100ms

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