



Dresser B3 Meter with Solid State Pulser

The Dresser B3 Meter with Solid State Pulser¹ generates low frequency pulses which represent volumetric information necessary for remote data collection units. Solid state construction eliminates mechanical switches and supports high-reliability. No battery and no maintenance are required.

The dual connector option allows one connector to be used with your AMR system and a separate connector for your customer. These pulsers are available for our Series B3 (Life-Lubed™) meters and Series A1 (LM-MA) meters.

Specifications

Loop Voltage	3-30 VDC
Maximum Loop Current	10 mA
Contact Bounce	0 msec
Min. Pulse Width	50 msec or 50% of duty cycle (whichever is smaller)
Switch Closed	R < 10 OHMS
Switch Opened	R > 1 MEGA OHM
Temperature Range	-40°F to +140°F -40°C to +60°C
Humidity	95% non-condensing
Output²	Form C
Series 3 and 1 TC (Temp. Comp.) Version	Non-compensated and compensated pulse
Counter (CTR) Version	Non-compensated pulse
Outputs	Single or dual connectors (circular, conduit, or cable gland)

Features

- Bounceless switch
- Internal mounting
- No battery
- No moving parts
- Reliable Wiegand technology
- Rugged, weatherproof housing
- Corrected and uncorrected outputs
- Universal interface



Circular Connector



Conduit



Cable Gland

¹ U.S. Patent Number; 5,530,298

² Form A wiring acceptable. A two-wire Form B will not function properly.

NOTE: Solid State Pulser can be purchased in a conversion kit or factory installed on a Dresser Meter.

Reference Data

Version	Type	# Connectors	P/N Amph. Conn. #399 Kit	P/N Conduit Conn. #399 Kit	Meter Size	Pulse Rate (English)	Pulse Rate (Metric)	Non-Comp. Pulse Wiring	Comp. Pulse Wiring
Series B3 (Life-Lubed)	Counter	Single	057128-060	057128-130	8C-3M	10 cf	0.1 m ³	ABC	
	Counter	Single	057128-060	057128-130	5M-11M	10 cf	1.0 m ³	ABC	
	Counter	Single	057128-060	057128-130	16M-38M	100 cf	1.0 m ³	ABC	
	Counter	Single	057128-060	057128-130	56M	100 cf	10.0 m ³	ABC	
	Counter	Dual	057128-070	057128-130	8C-3M	10 cf	0.1 m ³	ABC	
	Counter	Dual	057128-070	057128-130	5M-11M	10 cf	1.0 m ³	ABC	
	Counter	Dual	057128-070	057128-130	16M-38M	100 cf	1.0 m ³	ABC	
	Counter	Dual	057128-070	057128-130	56M	100 cf	10.0 m ³	ABC	
	TC	Single	057128-310	057128-260	8C-3M	10 cf	.1 m ³	ABC	DEF
	TC	Single	057128-310	057128-260	5M-11M	10 cf	1.0 m ³	ABC	DEF
	TC	Single	057128-310	057128-260	16M	100 cf	1.0 m ³	ABC	DEF
	TC	Dual	057128-320	057128-260	8C-3M	10 cf	.1 m ³	ABC	DEF
	TC	Dual	057128-320	057128-260	5M-11M	10 cf	1.0 m ³	ABC	DEF
	TC	Dual	057128-320	057128-260	16M	100 cf	1.0 m ³	ABC	DEF

NOTE: For Series 3 Pulser-Ready Accessory Units, a credit may be applied for deduction of magnets from SSP #399 Kits.

The following ratings apply to the ICPWS, ICPWD and ITPWS:

Electrical Rating: 3-28Vdc, 0-10mA

Class I, Zone 0, AEx ia IIC T4 Ga

Class I, Zone 0, Ex ia IIC T4 Ga

The following ratings apply to the ITPWD:

Electrical Rating: 3-28Vdc, 0-10mA

Class I, Zone 0, AEx ia IIB T4 Ga

Class I, Zone 0, Ex ia IIB T4 Ga

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