



Part Number: AD-2004-MULCNTR



AVIDSmartSensor™ Wireless Pulse Counter

Features

- § (2) 30-Bit unique ID, (4) 24-bit Digital Counters with 418 MHz radio transmitter
- § Switch for installation and service mode indication
- § Counts up to 30 pulses per second
- § Up to 600-foot range
- § Transmission rates from 20 to 34 seconds random
- § Up to 100 transmitters can coexist
- § Battery lasts up to 2 years
- § Very small (2.5" x 2.0" X 1.0") ABS Enclosure
- § Complies with part 15 of the FCC rules

Parameter	Units
Transmission Rate	10-17 Seconds Random
Shelf Life with Battery Installed	10 Years in Quiescent Mode
Dimensions (enclosure)	1.5 W X 2.1 H X .6 D (inches)
Weight	1.5 oz.
Operating Temperature	-40° to 85° C
Input	2.8 – 5.5 vdc pulses (Up to 60,000 ppm)
Humidity	0% to 90% Non-Condensing
Battery Life with Transmission	6-10 Years with TX Period of 30-240 Seconds
Battery	3.6 volt Lithium
FCC Certified	M5ZCNT



Sensors May be Enclosed in Explosion Proof Casing for More Industrial Type Applications

The Multi Channel Pulse Counter use 4 external resistors in series with each of four switch closures.

Each switch-resistor pair is placed in parallel on the two inputs to the counter. The resistor must be 1k, 2k, 4k and 8K Ohms within 2%. The part number list below is recommended; these parts are available from www.digikey.com.

Counter	Resistor Value	Part Num
Counter4	1000 ohms	1.00KXBK-ND
Counter3	2000 ohms	2.00KXBK-ND
Counter2	4020 ohms	4.02KXBK-ND
Counter1	8060 ohms	8.06KXBK-ND

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