ACT Series

ACT-3 Panel Tachometer/Ratemeter/Totalizer

The ACT Series consists of three models -one tachometer and two tachometer/ratemeter/totalizers. All feature universal input for two and three wire sensors providing signals of 0-5V TTL or 0-1.1Vac to 0-50 Vac. All models operate from optical, infrared, laser, proximity or magnetic sensors (see Page 9) and display in fixed or floating decimal point format (ACT-1B does not offer a floating decimal point). The ACT-3 provides the best user benefits of any panel instrument available today.

Features:
ACT-1B (5-99,999 RPM) CE
• One pulse/revolution (ACT-1B) or 60 pulses/revolution (ACT-1B-60)
• Output options: 4-20 mA (12 bit), 0-5 Vdc (12 bit) or TTL pulse

ACT-2A (5-999,990 RPM)
• Front panel programmable
• One or multiple pulses/revolution, scaling or totalizing
• Minimum and maximum memory recall

ACT-3 (5-999,990 RPM)
• N.I.S.T. Traceable Certificate of Calibration included
• Simultaneous 4-20 mA, 0-5 Vdc (12 bit), TTL pulse and 2 Alarm outputs and RS232.
• Single event speed capture from start and stop pulses, in units such as MPH, cm/sec, etc. Using one sensor - rotational, loop or reciprocating motion. Using two sensors - linear travel.

Example Applications :
◦ Control rooms
◦ Alarm shutdowns
◦ Field testing
◦ Data acquisition
◦ R&D testing

ACT-1B Panel Tachometer CE

ACT-3 Panel Tachometer/Ratemeter/Totalizer

Specifications	ACT-1B	ACT-1B-60	ACT-2A	ACT-3
Speed Range	5-99,999 RPM	1-7,000 RPM	5-999,990 RPM (Speeds below 5 RPM possible with multiple pulses/revolution)	
Accuracy	±1 RPM or 0.005% of reading			
Resolution	1 RPM		5.000-9.9999	
			10.000-99.999	
			10,000-99,999	1
Input Configuration	1 pulse/rev	60 pulses/rev	1 or	
Alarm Output				
Alarm Capability				
Analog Outputs				
	(12 bit)			
	*MUST SPECIFY FULL SCALE RPM FOR EITHER OPTION			
Output Update Rate				
Pulse Repeater Output (PO)	TTL compatible. Pulses per rev equal pulses in per rev			
Scale Factor	N/A		0.0001-9999.9	
Totalize/Count	N/A		1-99,999	
Display	5 digits, 0.56" (14 mm) high red LED			
Display Update	2x per second above 120 RPM			
Dimensions				
Power	Must Specify 115V			