

The ACT Series Panel/Bench Top Tachometers

The ACT Series Tachometers consist of six standard models for both OEM and user applications.

The **ACT-1B** family (three models) operate from either a single pulse per revolution, ten pulses per revolution, or sixty pulses per revolution.

The **ACT-2A, ACT-3 and ACT-3A** are front panel programmable for single or multiple pulses per revolution and for scaling. They may be used as Tachometers, Rate meters, Counters, and Totalizers. The ACT Series offers a fixed and floating decimal point and can be supplied with Remote Optical, Infrared, Laser, Proximity, and Magnetic Sensors, and are directly compatible with a TTL input and a 200mV to 50 Vac signal. The ACT-3 also has front panel programmable alarm set points, analog voltage and current, TTL and RS232 outputs. The ACT-3 offers more standard features than any other Panel Bench Top Tachometer available.

All models - Universal Input, non-contact operation from optical, infrared, laser, proximity, and magnetic sensors or direct TTL and 200mV to 50 Vac signals



Model ACT-1B

5 RPM - 100,000 RPM
 One pulse per revolution (ACT-1B)
 60 pulses per revolution (ACT-1B-115-60)
 Alarm or output option available



Model ACT-2A

5 RPM - 999,990 RPM
 Front panel programmable
 One or multiple pulses per revolution & scaling
 .0001 to 9999.9, totalize & count 1 to 99,999
 Minimum and maximum recall
 Alarm and output options available



Model ACT-3

5 RPM - 999,990 RPM
ACT-3 includes N.I.S.T. Traceable Certificate of Calibration
 Front panel programmable
 One or multiple pulses per revolution & scaling .0001 to 99,999, totalize & count 1 to 99,999
 Two alarm set points, latching or non-latching programmable hysteresis, low limit lockout
 Analog voltage output 0-5 Vdc
 Current output 4-20 mA
 TTL pulse repeater output
 RS232 bi-directional interface
 Minimum and maximum recall
 Line Power 115 Vac or 220/230/240 Vac, 50/60 Hz. 12 or 24 Vdc (User Must Specify)

The ACT Series Panel/Bench Top Tachometer Specifications

Specifications	ACT-1B	ACT-1B-60	ACT-2A	ACT-3A	ACT-3
Speed Range	5-99,999 RPM		5-999,990 RPM (Speeds below 5 RPM possible with multiple pulses/revolution)		
Accuracy	±1 RPM		±0.0015% of reading		
Resolution	1 RPM				
	Range (RPM)---Resolution		5.000-9.9999 0.000 10.000-99.999 0.001 100.00-999.99 0.01 1000.0-9999.9 0.1 10,000-99,999 1 100,000-499,999 10 500,000-999,990 10		
Input Configuration	1 pulse/revolution	60 pulses/revolution	1 or multiple pulses/revolution. Front panel push button programmable		
Alarm Output	N/A			Form C relay contacts, rated 1A at 115Vac	
Alarm Capability	N/A			Two alarm set points each, front panel programmable as either high or low, latching or non-latching. Hysteresis and low limit lockout are programmable.	
Analog Outputs	Optional: Current Output (IO): 4-20mA (12 bit) OR Analog Output (AO): 0-5Vdc (12 bit) **Must specify full scale RPM for each option**		N/A		Voltage Output 0-5Vdc and Current Output 4-20mA. Panel programmable for common full scale RPM or offset ranges. Example: 0V=3600 RPM / 5V=5000 RPM

ACT Series Panel Tachometers Accessories

ITEM NO.	PRICE	MODEL	DESCRIPTION
142-1065-2022-001		4633	3-wire shielded Sensor Cable, bulk lengths - Specify total length
142-6180-070		T-5	Reflective Tape - 5 foot roll, 0.5 inch wide
142-6180-079		T-5WP	Waterproof Reflective Tape (honeycomb pattern) - 5 foot roll, 1 inch wide
142-5190-105		CAL-N.I.S.T.	N.I.S.T. Traceable Certificate of Calibration / Re-Calibration

