

TACHTROL® 2

Low-cost Digital Speed/ Rate Monitor

Part Number Series T77220



The **Airpax® Tachtrol 2** speed/ rate monitor is a single input digital instrument designed to offer fast-response, high-precision monitoring of speeds or rates. It displays measured values in engineering units: RPM, FPM, frequency or other values.

Its period mode measurement, using an on-board microcomputer, produces response and precision not attainable using conventional industrial speed instruments, at a price that is considerably lower than comparable products on the market today.

A simple method for setting an input conversion factor makes it exceptionally easy to adjust the instrument to display engineering units from most frequency-producing sensors. You just enter the scaling factor and type of sensor, and Tachtrol is ready to run.

Features & Advantages

- Single-channel precision speed or rate monitoring.
- Period mode measuring system.
- Field adjustable normalization.
- Five-digit auto-ranging .56" L.E.D. display; full or partial auto-ranging with leading zero suppression.
- Updates twice per second.
- Wide frequency range: 1 Hz to 30 KHz, switch selectable to low range, 0.1 Hz to 1 KHz.
- Active or passive sensor input: Accepts any pulse output device, magnetic sensor or digital sensor.
- Panel mount DIN standard housing.
- Indicates reverse direction of rotation by minus sign on display.
- Fast response.
- High precision.
- Low cost.

- Easy set-up using DIP switches.
- High precision: $\pm 0.05\%$ of displayed value.
- Rugged: Designed to meet MIL-810C shock and vibration.
- Operating temperature range 0-50°C.

Applications

Monitoring speed of:

- Compressors
- Conveyors
- Printing presses
- Paper machines
- Electric motors
- Pipeline pumps
- Marine engines and shafts
- Rolling mill drives
- Packaging lines
- Flow transducers
- Variable speed drives

It is the customer's responsibility to determine whether the product is proper for customer's use and application.

Ordering P/N	Input Power	Enclosure	Net Weight (lbs.)
T77220-01	120 Vac/12 Vdc	† Less encl. } for Explosion Proof	3.2
-02	240 Vac/12 Vdc	† Less encl. } or NEMA 4X	3.2
-11	120 Vac/12 Vdc	Std. Panel Mount	2.3
-12	240 Vac/12 Vdc	Std. Panel Mount	2.3
-41	120 Vac/12 Vdc	NEMA 4X *	4.4
-42	240 Vac/12 Vdc	NEMA 4X *	4.4
-71	120 Vac/12 Vdc	Explosion Proof **	38.0
-72	240 Vac/12 Vdc	Explosion Proof **	38.0

† See page 21 for dimensions

* See page 19 for dimensions

** See page 20 for dimensions