

200 MKII Series Tachometers



Family features

- ▶ Dedicated range of Tachometers
- ▶ Four decade easily read display
- ▶ Microprocessor control
- ▶ Easy to set up and operate
- ▶ Scaling factor from 0.001 to 9999
- ▶ Programmable decimal point
- ▶ Programming buttons concealed behind front panel
- ▶ Dual function - frequency and ratio. 30kHz max input on one channel or 15kHz max input in dual channel (ratio) mode
- ▶ Half DIN panel mounting case (96mm x 48mm)
- ▶ Choice of supply 115V AC / 230V AC / 24V DC

Standard options

- ▶ High sensitivity input (12mV rms – suitable for use with flow measurement devices with low amplitude output signals)
- ▶ 15 to 35V DC supply (suitable for use with vehicles operating on 24V batteries)
- ▶ Analogue input module (voltage to frequency converter)
- ▶ Splashproof cover

Special options

- ▶ Customised design or operation to suit unusual or dedicated applications – call our Sales Office to discuss your requirements

Typical applications

- ▶ Indication of shaft RPM.
- ▶ Ratio of two shaft or roller speeds.
- ▶ Linear speed of conveyor or process material.
- ▶ Flow rate measurement (scaled in litres/min, ml/sec etc.)

Technical specification

Display :	4 decade, 14.2mm, seven segment high brightness red LED
Decimal point	User programmable
Scaling	User programmable and retained in EEPROM (non volatile memory)
Signal inputs	
Sensitivity	User adjustable from 200mV to 10V (protected to 100V). (Factory fitted High Sensitivity option allows low input level of 12mV minimum)
Frequency	30khz in frequency mode, 15kHz in ratio mode (maximum)
Impedance	15k ohm minimum
Accuracy	0.05% with a square wave at 1V peak
Mode control input	(Frequency/Ratio) requires sink to 0V of 220 ohms maximum
D.C. voltage output	10V to 12V unregulated @ 80mA maximum
Connections	Screw terminals on the rear panel
Power requirements	Factory selected at 115V or 230V AC 50/60Hz. Loading 3VA (Factory fitted option to operate from 24V DC supply is available to order)
Temperature range	
Operating	0° C to +50° C.
Storage	-20° C to +80° C.
Dimensions	96 x 48 x 107 mm. (panel cut-out 92 x 43 mm)
Weight	0.4 kg (standard mains version)

Ordering guide

Please use the following order codes – if in doubt call our Sales Office for assistance:

200   / 



REQUIRED

- T** Standard Tachometer
- T**** Customised version (code will be allocated at time of order)



OPTIONAL

- HS** High-sensitivity input option (normally required if using a Flowmeter fitted with a Magnetic Pickup).



REQUIRED

- 115** 115V AC power supply
- 230** 230V AC power supply
- 24** 24V DC power supply

Optional Enhancements for the 200 Series Range (Order Separately)

- SPC4** Splash-proof cover
- A_IN1V** Analogue input module (0-1V)
- A_IN5V** Analogue input module (0-5V)
- A_IN10V** Analogue input module (0-10V)
- A_IN020** Analogue input module (0-20mA)
- A_IN420** Analogue input module (4-20mA)

Examples:

- 200T/115 Standard Tachometer to operate on 115V AC 50/60Hz mains supply
- 200T**HS/230 Customised Tachometer with High Sensitivity option, to operate on 230V AC 50/60Hz mains supply

MADE IN THE UK

Reliability, Guaranteed



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