

# Tachometers

## Rotation speed and velocity display

Large 14 mm display LED, 6-digits, programmable

### TA200



TA200 - LED tachometer

#### Features

- Tachometer for rotation speed and velocity
- Display 6-digits
- Connection: One-channel digital sensor or potential-free contact
- Impulse evaluation, sensor logic programmable
- Frequencies up to 40 kHz
- Period duration measurement

#### Technical data - electrical ratings

Voltage supply	24/48 VAC $\pm 10\%$ (50/60 Hz) 115/230 VAC $\pm 10\%$ (50/60 Hz) 24 VDC $\pm 10\%$
Power consumption	7 VA, 5 W
Sensor supply	12...26 VDC / max. 100 mA
Display	LED, 7-segment display
Number of digits	6-digits
Digit height	14 mm
Display unit	1/s, 1/min, 1/h programmable
Function	Tachometers
Programmable parameters	Measuring units 1/h, 1/min, 1/s Scaling factor Sensor logic Pulse frequency
Measuring principle	Period duration measurement
Signal inputs	Comparator inputs
Input logic	NPN / PNP
Counting frequency	25 Hz, 40 kHz programmable
Scaling factor	0.0001...9999.99
Data memory	>10 years in EEPROM
Standard DIN EN 61010-1	Protection class II Overvoltage category II Pollution degree 2
Emitted interference	DIN EN 61000-6-3
Interference immunity	DIN EN 61000-6-2
Approval	UL approval / E63076

#### Technical data - mechanical design

Ambient temperature	0...+50 °C
Storage temperature	-20...+70 °C
Relative humidity	80 % non-condensing
Connection	Plug-in screw terminal connector
Core cross-section	1.5 mm <sup>2</sup>
Protection DIN EN 60529	IP 65 (face with seal)
Operation / keypad	Membrane with softkeys
Housing type	Built-in housing
Dimensions W x H x L	96 x 48 x 124 mm
Cutout dimensions	92 x 44 mm (-0.6)
Mounting depth	124 mm
Mounting	Clip frame for built-in housing
Weight approx.	350 g (AC), 250 g (DC)
Material	Housing: Makrolon 6485 (PC)

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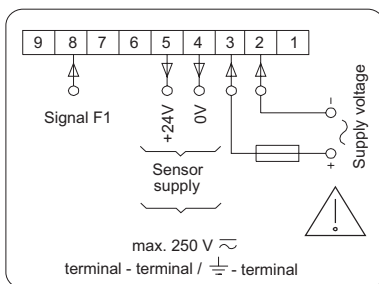
## Part number

TA200.00 AXA1

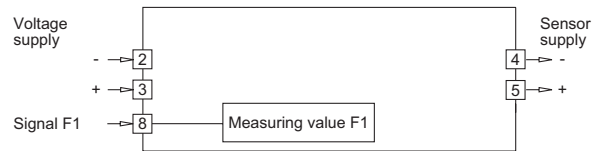
### Voltage supply

- 1 24 / 48 VAC
- 2 115 / 230 VAC
- 3 24 VDC

## Connection diagram



## Block circuit diagram



## Trigger level

Comparator input	Input circuit
Inputs	PNP- / NPN-logic
Input level	Programmable
Input level Low	0...2 VDC
Input level High	3...40 VDC
Input resistance	3 kΩ

## Dimensions

