

Tachometer

2 limits, PNP, NPN logic

Display LCD, 6-digits, programmable

TA134



TA134 - LCD-Tachometer

Technical data - electrical ratings

Voltage supply	24/48 VAC $\pm 10\%$ (50/60 Hz) 85...265 VAC (50/60 Hz) 12...30 VDC
Power consumption	5 VA, 5 W
Sensor supply	24/48 VAC: 10-26 VDC/60 mA 85...265 VAC: 24 VDC $\pm 20\%$ /100 mA 12...30 VDC: 9-28 VDC/100 mA
Display	LCD, 7-segment display, 2-lines, backlit
Number of digits	6-digits
Digit height	7 mm (position value) 4 mm (preset)
Unit displayed	1/s, 1/min, 1/h programmable
Function	Tachometer
Programmable parameters	Measuring units 1/h, 1/min, 1/s Scaling factor Sensor logic Control inputs Count frequency
Measuring principle	Period duration measurement
Signal inputs	Comparator inputs
Input logic	NPN / PNP
Control inputs	3 programmable
Control functions	Stop, Hold, Print
Counting frequency	3 Hz, 25 Hz, 10 kHz programmable
Tacho frequency	25 Hz, 40 kHz programmable
Scaling factor	0.0001...9999.99
Data memory	>10 years in EEPROM
Outputs electronic	Optocoupler
Outputs relay	Normally open or closed, programmable
Interface	RS485

Features

- Tachometer for rotation speed and velocity
- Display 6-digits
- Connection: One-channel digital sensor or potential-free contact
- Two limits and scaling
- Batch counter with impulse evaluation
- Interface RS485

Technical data - electrical ratings

Standard	Protection class II
DIN EN 61010-1	Overvoltage category II
	Pollution degree 2
Emitted interference	DIN EN 61000-6-4
Interference immunity	DIN EN 61000-6-2
Approval	UL approval / E63076

Technical data - mechanical design

Ambient temperature	0...+50 °C
Storing temperature	-20...+70 °C
Relative humidity	80 % non-condensing
Connection	Plug-in screw terminal connector
Core cross-section	1.5 mm ²
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	48 x 48 x 100 mm
Cutout dimensions	45 x 45 mm (+0.6)
Installation depth	100 mm
Mounting	Front panel installation by clip frame
Weight approx.	150 g (12-30 VDC/85-265 VAC), 250 g (24/48 VAC)
Material	Housing: Makrolon 6485 (PC)

