

# Temperature & RPM Controller



## Temperature with RPM Controller | RPM Controller

### Product Overview

#### Temperature with RPM Indicator

A dual-function industrial indicator that measures both Temperature and RPM simultaneously. Suitable for applications requiring process temperature monitoring along with rotational speed measurement.

#### RPM Indicator

A digital RPM monitoring instrument used in chemical, petrochemical, food processing, and industrial environments. Designed to provide stable and accurate RPM readings to ensure safe and reliable machine operation.

# Key Features (Both Models)

## Common Features

- High-accuracy measurement
- User-friendly display with clear parameter menus
- Wall-mounted industrial design
- Supports sensor calibration and configuration modes
- Relay output control for alarms or external devices
- 4–20 mA / 0–10 V signal input support
- Strong build quality designed as per industrial standards
- Over-voltage & grounding protection
- Operating temperature: –20 °C to 55 °C
- Humidity tolerance: ≤ 85% RH
- Periodic calibration supported

## Temperature + RPM Additional Features

- Dual sensor input (RTD, mA, Voltage, RPM)
- RS-485 MODBUS (A+, B–)
- Separate relay settings for Temperature & RPM
- Decimal point configuration
- High/Low threshold settings for both inputs

# Technical Specifications

Parameter	RPM Indicator	Temperature + RPM Indicator
Series	AI-204	AI-204
Display	Digital LED	Digital LED
Inputs	RPM Sensor	RTD (Pt-100), 4–20mA, 0–10V + RPM
Communication	–	RS-485
Power Supply	220V AC	220V AC
Relay Output	Yes (NO/NC contacts)	Yes (Separate for Temp & RPM)
Calibration	RPM calibration menu	Full calibration: RTD/Current/Voltage + RPM
Operating Temperature	–20°C to 55°C	–20°C to 55°C
Humidity	< 85% RH	< 85% RH
Mounting	Wall mount	Wall mount
Protection	Grounding, surge protection supported	Grounding, surge protection supported



Hyderabad Office: H. no : 08-041/1, Plot no 132, N C L Enclave, Kompally,  
Hyderabad, Telangana, India - 500067

✉ [admin@arkainstruments.com](mailto:admin@arkainstruments.com)

🌐 [www.arkainstruments.com](http://www.arkainstruments.com)

☎ +91 7893247899