

Universal Process Controller



ACE AI-DPC96

Product Overview

Industrial Process Controller AI-DPC96 provides a compact and flexible solution for monitoring and regulating industrial processes. Supporting temperature sensors, thermocouples, and 4–20 mA signals, it can be easily adapted to different measurement requirements. Its clear LED display, relay-based control, and analog retransmission output make it suitable for dependable process monitoring and integration with industrial automation systems.

Features

- 4-Digit LED Display for clear and easy-to-read process values.
- 0.1°C Resolution for precise temperature monitoring.
- Multiple Input Options including RTD Pt-100, J-Type TC, K-Type TC, and 4–20 mA.
- Front-Key Input Selection for convenient configuration without external tools.
- Dual Relay Outputs with NO, CO, and NC contacts for flexible process control.
- 4–20 mA Retransmission Output for PLC, SCADA, and industrial automation integration.

Specifications

Model No	AI-DPC96
Measuring Parameter	Universal Process Signal
Range	RTD Pt-100: -100.0 to +400.0°C, J-Type: 0 to 750°C, K-Type: 0 to 1200°C, R-Type: 0 to 1750°C, S-Type: 0 to 1750°C, 4–20 mA: -999 to +9999 (Zero & Span), 0–10 VDC: -999 to +9999 (Zero & Span)
Accuracy	± 1% Full Scale
Resolution	0.01, 0.1
Display	4 digit Red LED Display, 0.56" High, 7 Segment
Analog Outputs	Standard two wire 4-20mA Analog retransmission
Communication	Optional RS485 MODBUS output, Contact store
Relay Output	2 Relay Outputs (2 Sets of NO/CO/NC)
Enclosure	ABS Plastic Body Panel Mounted Type
Weight	520g
Dimensions	96X96 mm Panel Mounting
Power Supply	230VAC 50-60Hz With Region-Specific Power Plug (US,UK,UAE,EU)
Supply Scope	1 Unit Process Controller, Calibration Certificate & User Manual
Calibration Certificate	Provided along with and valid for 1 year, traceable to National Standards.
Warranty	12-Month Warranty Against Manufacturing Defects
Manufacturer	Ace Instruments

Compliance



Related Products



ABB CM10 Universal
Process Controller



Digital Temperature
Controller With
RTD Sensor



Digital Temperature
Controller AI-01C



ABB CM30 Universal
Process Controller

Applications



Chemical Industries



HVAC Systems



Food & Beverage Processing



Pharmaceuticals

Temp | Humidity | Pressure | Differential Pressure | Vacuum | Gases | Particle | Air Flow
Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

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