

BATCH OPERATION CONTROLLERS

Model AI-BOC-02F



Model AI-BOC-02F-SEL



Model AI-BOC-02F-POT

Ace Instruments manufactures precision Flameproof Batch Operation Controller integrating RPM + Temperature Measurement with RPM Drive Selection Output to interface to Variable Frequency Drive for Agitator Control in Reactors for the Pharmaceuticals & Bulk Drugs Industry. It eliminates the need for multiple instruments near the reactor & provides operational ease & safety.

Isolated Channels for Temperature & RPM Display with ON & OFF Push Buttons with option of interfacing with Variable Frequency Drive.

Features

- ▶ Unique Dual Input for 2 parameters
- ▶ Large & Clear High Intensity Displays
- ▶ Analog Input - Use for V.F.D. RPM or Pressure or Vacuum, etc.
- ▶ Non Volatile Memory Stored to recall automatically after power failure
- ▶ Industry Standard RS485 Modbus Protocol for SCADA Applications & Data Logging
- ▶ Easy & Intuitive Software Calibration for both inputs
- ▶ Safety Lock Push Button for STOP

Specifications:

No. of Input Channels	: 2 Nos.
Display	: 4 Digit, 7 Segment Red LED ;Display of Height 0.8”for Temperature 4 Digit, 7 Segment Red LED; Display of Height 0.5” for RPM
Input Type	: Channel 1 -RTD Pt-100(Temperature) Channel 2- 4-20mA (RPM) or 0-10V.D.C. (Selectable at ordering)
Push Buttons	: START (NO Element) & STOP (NC Element) Push Buttons
Selector Switch	: Model AI-BOC-02F-SEL - 4 Position Selector Switch Model AI-BOC-02F-POT – 1 K or 10 K Helipot
Measuring Range	: RTD Pt-100: Factory fixed range of -100.0 to +400.0 Deg. C 4-20mA: User Programmable Zero & Span for 4-20mA
Resolution	: 0.1 Deg. C for RTD Pt-100 Programmable for 4-20mA
Accuracy	: +/- 0.1 Deg. C +/- 1 count for Temperature +/-0.1% F.S. for 4-20mA
Calibration	: Software Based from Front Keys Inside the Enclosure
Scan Rate	: 500 mSec/Channel
ADC Resolution	: 24 Bit
Communication (Optional)	: Industry Standard RS485 Modbus RTU Protocol
Repeatability	: +/- 0.1 % F.S.
Power Supply	: 230 V.A.C., 50 Hz., Single Phase
Relay Output (Optional)	: Upto 4 Relays Output
Enclosure	: Wall Mounting Type Aluminium LM-6 Certified by CMRI, Dhanbad for use in Gas Group Areas I, II, IIA & IIB
Power Supply	: 230 V.A.C., Single Phase , 50 Hz.
Cable Gland Entries	: 3 Nos. ¾” Cable Gland Entries
Weight	: Approx. 5 Kgs.

Manufactured By :

ACE INSTRUMENTS

(An ISO 9001-2008 Certified Company)

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