

BATCH OPERATION CONTROLLER

Model AI-BOC-02F-TFT



Ace Instruments manufactures precision Flameproof Dual Input TFT colour Display RPM + Temperature Indicator 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 make it a versatile instrument.

Features :

- Unique Dual Input for 2 parameters 4-20 mA or 0-10V DC for RPM /RTD PT-100 for temperature
- New generation COLOR TFT Display with Engineering unit display
- Analog Input – Use for V.F.D. RPM or Pressure /Vacuum/Level/pH , etc
- Non Volatile Memory Stored to recall settings automatically after power failure
- Industry Standard RS485 Modbus Protocol for SCADA Applications & Data Logging
- Easy & Intuitive Software Calibration for both inputs & Relay Output Settings
- Safety Lock Push Button for STOP

TECHNICAL SPECIFICATIONS

No. of Input Channels	2 Nos.
Display	3.5" Industrial Color TFT With Engineering unit Display
Input Type	Channel 1 -RTD Pt-100(Temperature) Channel 2- 4-20mA (RPM) or 0-10V.D.C. (Field Selectable)
Push Buttons	START (NO Element) & STOP (NC Element) Push Buttons
Selector Switch	Model AI-BOC-02F-TFT-SEL - 4 Position Selector Switch Model AI-BOC-02F-TFT-POT – 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 for RPM
Resolution	0.1 Deg. C for RTD Pt-100 Programmable for 4-20mA/ 0-10V DC
Accuracy	+/- 0.1 Deg. C +/- 1 count for Temperature +/-0.1% F.S. for 4-20mA
Calibration	Software Based from Touch screen Inside the Enclosure
Scan Rate	500 mSec/Channel
ADC Resolution	24 Bit
Communication	Industry Standard RS485 Modbus RTU Protocol
Repeatability	+/- 0.1 % F.S.
Power Supply	230 V.A.C., 50 Hz., Single Phase
Relay Output	Upto 4 Relays Output, Freely Configurable
Enclosure	Wall Mounting Type Aluminium LM-6 Body 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	5 Nos. 3/4" Cable Gland Entries
Weight	Approx. 5 Kgs.

Manufactured By :

ACE INSTRUMENTS

(An ISO 9001-2015 Certified Company)

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