FLAMEPROOF CLEAN ROOM SCANNER

MODEL AI-CRS3-1C-FLP

The FLAMEPROOF CLEAN ROOM SCANNER is micro controller based indicator for indicating clean room differential pressure, temperature & humidity with synchronized high accuracy clock. This instrument has been designed mainly to monitor any 3 process parameters using external analog inputs from third party transmitters including temperature, %R.H., and Diff. pressure, indoor air quality, CO & air velocity transmitter, etc.

1) Programmable for INPUT 1(Differential Pressure) from -199 to +999.
2) Programmable for INPUT 2 (Relative Humidity) from - 199 to +999.
3) Programmable for INPUT 3 (Temperature) from - 199 to +999.

The front panel operation has been specially designed for user friendly operations. There are commands for programming input & output ranges, alarm settings.

The documentation presented here describes the front panel operation in detail. The user is requested to go through this manual and familiarize himself with the operation before going ahead with any programming & operation.

APPLICATION:-

1. Pharma Clean Rooms,
2. APIs
3. Bulk Drugs
4. Electronic Hardware Manufacturing Plants
5. Semiconductor Manufacturing,
6. Hospitals & Operation Theaters
7. Green Houses, etc.
8. Building management system,etc. RS 485 Modbus Communication from The Clean Room Scanner allows easy& quick integration to Building Management Systems (BMS) & SCADA interfacing.

CLASSIC FEATURES:-

ANALOG INPUT : 3 x 4-20 Ma or 3 x 0-10 V.D.C. Input from External Sensors for Humidity, Temperature & Differential Pressure

Resolution : Programmable for Temperature , Relative humidity, & Differential Pressure or other inputs.

Display : 4 Line 0.8" 7 Segment LED Display.

3 Digits 7 Segment LED Display for Differential Pressure (Pascals) on Line 1.

3 Digits 7 Segment LED Display for temperature (Deg C) on Line 2.

3 Digits 7 Segment LED Display for Humidity (%R.H.) on Line 3.

4 Digit 7 Segment LED Display for clock (HH:MM) on Line 4.

SPECIFICATIONS:-

Input Type	3 analog Inputs 4-20mA / 0-10 V.D.C. Analog Input selection using front keypad.
Range	Programmable for each of the 3 inputs between -199 to 999
Resolution	Programmable between 1, 0.1, 0.01, (Refer Standard Ranges & select suitable resolution)
Accuracy	+/-0.1% F.S. +/-1 count
Setting	By 4 keys on bottom of the display
Buzzer	Integrated Buzzer Alarm for Process Violation Alert
LED Indication	Individual LED for high & low Process Status Alert
Mounting	Wall mounting / Modular Wall mounting with Stainless Steel Front Flush Plate for Clean Rooms