



SALIENT FEATURES

- ◆ Universal Input (any channel can be configured for any input and range)
- ◆ Serial Port RS 232 or RS 485 (multi-dropping) port with MODBUS RTU Protocol
- ◆ Direct Printer port can be provided
- ◆ Channel Skip Facility provided
- ◆ All programming from splash proof key pad provided on front
- ◆ Individual set-points programmable for each channel

The μ CS 7000 series Process Scanners are designed to accept eight or sixteen inputs and display the process value against channel number. Each channel can be individually configured for input, calibration, ranges and set-points. Individual LED's are provided on front to indicate the alarm status of each channel. Optional communication port can be provided to hook up with a PC or DCS.

TECHNICAL SPECIFICATIONS

Input	: 1) 4 to 20 mA DC, 0 to 20 mA DC (Input Impedance < 200 ohm) 2) 1 to 5 V DC, 0 to 5 V DC (Input Impedance > 2K ohm) 3) RTD, PT-100, 3 wire 4) Thermocouples (J,K,R,S,T,E,N,B) (Input Impedance > 1M ohm)
Range	: Calibrated as per customers requirement from front key pad
Display	: 1) 4 digit, 1/2" red LED for Process Value : 2) 2 digit, 1/2" red LED for Channel Number
Modes	: Auto / Manual
Display Update Time	: Programmable from 2 sec to 30 sec
Set-points	: Two nos programmable for each channel (optional)
Output Relays	: 4 relays, 1 NO + 1 NC per relay common for all channels, rated at 230 V AC, 5 A resistive load. Two individual relays per channel can be provided in separate relay box optionally
Alarm Indication	: Provided by individual LED's on front
Communication Port	: RS 232 or RS 485 with MODBUS RTU Protocol (optional)
Printer Port	: provided for 80 column dot matrix printer (optional)
Programming	: All parameters programmable by splash proof front key pad
Accuracy	: < +/- 0.2% of FSD
Supply	: 230 V AC, 50 Hz (others on request)
Mounting	: Flush on panel
Dimensions	: Cutout Bezel 1) 138mm(H) X 68mm(W) 1) 144mm(H) X 72mm(W)
Depth	: 300 mm
Operating Temperature	: 0 to 50 deg C
Temperature Coefficient	: 0.015% / deg C
Humidity	: 90% maximum (non-condensing)



FLAMEPROOF TEMPERATURE SCANNERS

Series : μ CS 7000-EX

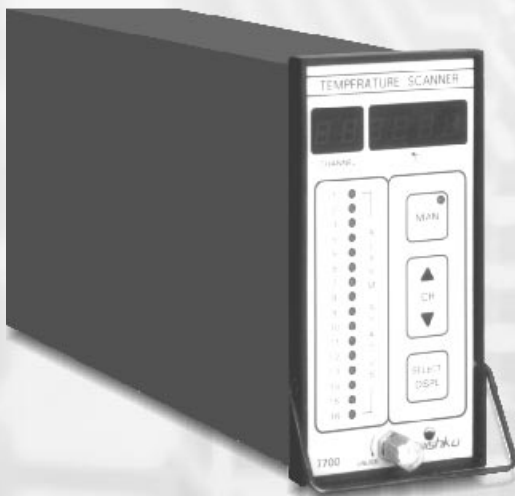
The μ CS 7000-EX is suitable for field mounting in hazardous areas and can be fully programmed without opening the enclosure.

The double compartment enclosure having separate compartment for terminals is easy for mounting and maintenance.

Mounting	: Field, wall
Enclosure	: Cast Aluminium
Protection	: Flameproof Gr IIA, IIB (IIC on request), Weatherproof IP65
Dimensions	: 560mm(H) X 270mm(W) X 195mm(D)
Programming	: From front without opening enclosure

TEMPERATURE SCANNERS (NON-PROGRAMMABLE)

Series 7700



No. Of channels	: eight or sixteen
Input	: RTD / Th/c (any type)
Range	: adjustable at site
Display	: 3 ½ digit, 0.3" red LED for temperature 1 ½ digit, 0.3" red LED for channel number
Modes	: auto / manual
Scan Time	: adjustable from 2 sec to 30 sec
Set-points	: 2 set-points common for all channels (4 nos for winding-bearing model)
Alarm Trip Contacts	: 2 relays rated at 230 V AC, 5A common for all channels (4 nos for winding-bearing model)
Supply	: 230 V AC, 50 Hz (others on request)
Mounting	: Flush on panel
Dimensions	: Cutout 1) 138mm(H) X 68mm(W) Bezel 1) 144mm(H) X 72mm(W)
Depth	: 250mm

DAQ 7000 DATA ACQUISITION SOFTWARE

USER FRIENDLY WINDOWS BASED SOFTWARE FOR PROCESS SCANNERS

The DAQ 7000 software enables monitoring of on-line data as well as historical data to be viewed on a PC in form of digital read-outs or in graphical form. It is thus possible to compare, study trends of various processes with respect to specified time. The data can be saved date-wise as files in PC, making it accessible whenever required.

- ◆ 32 bit software
- ◆ Standard PC configuration suitable (no special hardware requirements)
- ◆ On-line viewing of graphs, read-outs
- ◆ Generation of graphs and trends for studying and comparison of processes
- ◆ Generation of files which are saved in PC for easy retrievability



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