



# PROCESS INDICATORS & CONTROLLERS CANPIC X.X

# PROGRAMMABLE PROCESS INDICATOR / CONTROLLER

## Overview

CANPIC X.X range of Programmable Process Indicator/Controller products provide the advantage of Multi-range Process Value inputs, which can be configured and calibrated on Field by the user. The product design uses an advanced 32-bit Microcontroller system, which operates at high speed to simultaneously perform multiple tasks of measurement, computation, re-transmission, set point control of measured process parameter.

CANPIC X.X products are designed with a modular approach. The basic functionality of Displaying Process Parameters is upgradable with Analog Re-transmission (4–20mA), Multiple Relay Outputs for control.



Technical Specifications		
Input type (Select Using Keypad and DIP switch)	Voltage (VDC)	0-10V, 0-5V, 2-10V, ±5V, ±10V
	Current (mADC)	0-20mA, 4-20mA, ±10mA, ±20mA.
Display Range (options) Decimal Point	RED LED 7 Segment 0.4" – 4 Digit + Sign ±1999 & ±9999 Selectable by user	
Accuracy	$\pm 0.1\%$ of FS, $\pm 2$ LSD	
Calibration	Keypad for Offset & Span Setting	
Analog Re- transmission	4-20 mA, Scale Settable; Isolation – 1.5KV	
Relay Output(N) (Max 2)	N X 3 Contacts. (NO C, NC)	

#### **General Specifications** 90-270VAC,50-60Hz/100-250VDC **Power Supply** 24VDC (Range 18-36VDC) Panel Mount, ABS plastic a. 48 X 96 mm; Depth - 120 mm Panel Cutout – 44 X 92 mm Enclosure b. 96 X 96 mm; Depth - 120 mm Panel Cutout - 92 X 92 mm $0-55^{\circ}C$ **Operating temp. range** Storage temp. range $0 - 80^{\circ}C$ **Relative Humidity** 5 – 95% RH Non-Condensing Max. Altitude 3000 mts above MSL

## **Related Products**

- ✓ Remote BCD Display with MODBUS/PROFIBUS interface
- ✓ Programmable Load Cell/Strain Gauge Sensor Amplifier
- ✓ Multichannel Process Scanners (4/8/16 Channels)

# Features

- ✓ Field Configurable Input Ranges:
- V: 0-10V/0-5V/2-10V/±10V/±5V
- I: 0-20mA/4-20mA/±10mA/±20mA
- ✓ Advanced 32-bit Micro-controllerbased design incorporates software algorithms for signal conditioning.
- ✓ Interactive User interface with Keypad setting of Display Scale & Calibration
- ✓ Re-transmission Output (4-20mA) with scale settings.
- ✓ Control Output Relays (Max. 4 nos.)

## Applications

- Solar Panel FEED System
- Industrial automation systems
- PLC Monitoring System
- Process Indicator.



### **Other Products**











**CUTE 102x0** 



**Programmable Load Cell Amplifier** 

Note: e.g. Selectable Input, AC Supply, Two Relays, One Analog Output Without Modbus Communication.: CANPIC 1.1–U2mAN

When using MODBUS communication, only two Relays are Possible.

#### About Us

**CANOPUS INSTRUMENTS** is engaged in the development & manufacturing of industrial automation and process control instrumentation products. The product areas cover mainly Analog Signal Conditioning Instruments for Process Automation, Embedded Systems & Ultrasonic Equipment for Non-Destructive Testing Applications.

All the CANOPUS range of products are designed and manufactured with special care, to ensure trouble free performance in Industrial applications where Electromagnetic Interference (EMI) & Harsh environmental conditions exist.

Today these products come to our customers with the quality assurance and tech-support in H/W & S/W, which has evolved with our experience of over 25 years, to ensure uninterrupted operation in field conditions. This has enabled us to successfully create an installed base of tens of thousands of units performing satisfactorily in a wide spectrum of Critical Real time Industrial applications all over India and in other parts of the world.

**INNOVATION – QUALITY – RELIABILITY** 

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