

**4 – 20mA CURRENT ISOLATOR**  
**DUAL 4 – 20mA ISOLATED OUTPUTS**  
**CAN – 4242 – U – 12I**

**Overview**

4–20mA Current loop isolators perform the function of Isolation of the input 4–20mA signal and generate an output 4–20mA signal, which is faithful replication of the input signal. The devices may also be used as signal multipliers (Dual Output) to generate an additional isolated 4–20mA output, which can be connected to different measuring device. Fast response (<1mS) is ensured to enable quick system response in feedback control applications.

**Technical Specifications**

<b>Input</b>	Input	4 – 20mA DC.
	Input Resistance	100Ω
<b>Output</b>	Output 1	4 – 20 mA DC,
	Load Resistance	750Ω (max.)
	Output 2	4 – 20 mA DC,
	Load Resistance	750Ω (max.)
<b>Performance</b>	Accuracy	±0.25% of Span
	Linearity	±0.1% of Span
	Temperature Stability	0.05% / °C
	Calibration	SPAN Adj. (Trimpot)
	Response Time	< 1mSec

**General Specifications**

<b>Isolation</b>	2KV – 3 Port.
<b>Power Supply Voltage</b>	90 – 270V <sub>AC</sub> , 50/60Hz 100 – 250V <sub>DC</sub>
<b>Power Consumption</b>	10VA approx.
<b>Protection</b>	Fuse: 1A (In-Built) Slow Blow type
<b>Enclosure</b> ABS Plastic, 35 mm DIN Rail Mounted.	Size: W – 35 mm H – 75mm D – 110mm
<b>Operating temp. range</b>	0 – 55°C
<b>Storage temp. range</b>	0 – 80°C
<b>Relative Humidity</b>	5 – 95% RH Non-Condensing
<b>Max. Altitude</b>	3000 mts above MSL



**Features**

- ✓ Dual Isolated 4-20mA Outputs
- ✓ Slim & compact design.
- ✓ Energy Efficient Module.
- ✓ Enhanced EMI Rejection capabilities to ensure Reliable operation in adverse industrial environment.
- ✓ Low Noise & Low drift for long term stability.
- ✓ Response Time < 1 mSec.
- ✓ Cost Effective

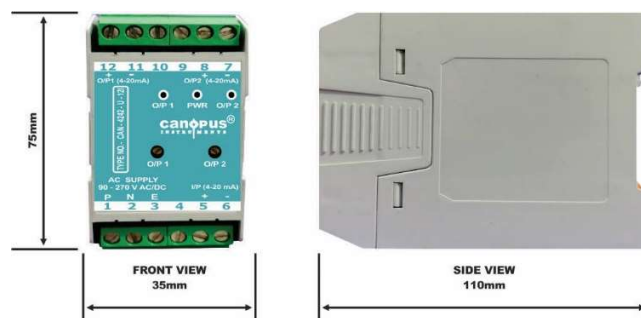
**Related Products**

- ✓ 0-10V/4-20mA Signal Isolator, 90-270VAC supply, 1/2 Isolated Outputs. Isolation level 2KV.
- ✓ Analog Signal Isolator, Isolation Level 5KV.
- ✓ 4-20mA Signal Multipliers, 24VDC/ 90-270VAC supply.

**Applications**

- AC/DC Drive systems
- PLC Systems
- Data Acquisition Systems

## Mechanical Details:



## Terminal Details:

PIN	Details	PIN	Details
1	Phase	7	-Output2(4-20mA) *
2	Neutral	8	+Output2(4-20mA) *
3	Earth	9	NC
4	NC	10	NC
5	+ Input (4-20mA)	11	- Output1(4-20mA)
6	- Input (4-20mA)	12	+ Output1(4-20mA)

### Model Numbers

Single Output (4-20mA)	CAN – 4242 – U
Dual Output (4-20mA)	CAN – 4242 – U – 12I

**Note: \*Output 2 present in Dual output Type Units.**

## 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 27 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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