

±10 V AC/DC IN/OUT, 0~1 KHz



AC & DC input type
 0 ~ ±10 V / ±5 V / ±2 V / ±1 V signal in
 0 ~ ±10 V signal out
 1 or 2 outputs
 DC accuracy better than 0.02% span
 1500 VAC/DC RMS isolation
 Excellent for fast and transient phenomena

AC input type

Accuracy of ± 0.1% for AC signals upto 100 Hz
 Works upto 1 KHz

VISO is a signal isolator for AC or DC signals upto ±10 V. It has an outstanding combination of accuracy, frequency response and signal handling. It is available in a DC input type for signals upto 5 hz, and an AC input type for signals upto 1000 Hz.

SPECIFICATIONS All specifications at ambient of 25 °C, unless specified otherwise

INPUT

Input voltage 0~±10V / 0~±5V / 0~±2V / 0~±1V
Input frequency 0 to 1000 Hz (AC input type)
 0 to 5 Hz (DC input type)
Input impedance > 100 kohms

OUTPUT

Output voltage 0 ~ ±10 V (20 V peak-to-peak)
No. of outputs 1 or 2 (for 4 outputs, contact us)
Load > 2 K ohms

ACCURACY

DC transfer accuracy Typical : ± 0.02% span
 Worst case : ± 0.1% span
 ±0.005% of span per °C

Temperature coefficient of DC transfer accuracy

Gain error (AC input type)

Over 10 to 100 Hz < 0.1% span
 Over 100 to 250 Hz < 0.4% span
 Over 250 to 1000 Hz < 5% span

Effect of load on accuracy (2 K ohms to no load) < 0.01% span

ISOLATION

Mutual isolation between input / outputs / supply and between outputs 1500 V AC/DC RMS, 50 Hz, 1 minute
 250 V AC RMS, 50 Hz, continuous

POWER SUPPLY

Supply voltage 17~35 V DC
Power consumption 1 output : <1.3 watt @ 24 V DC
 2 outputs : <2.3 watts @ 24 V DC

ENCLOSURE

Material ABS plastic
Dimensions 55(W) x 75(H) x 110(D) mm
Mounting Snap on for 35 mm DIN rail to DIN 46277
 2.5 mm², AWG 14

Connection, single/stranded wires

Protection IP 20

TEMPERATURE, HUMIDITY

Ambient, operation 0 to 60 °C
Relative humidity 0 ~ 95%

ORDERING INFORMATION

ORDER CODE

2167	A
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A	Input	DC/AC	No. of Outputs
01	0 ~ ±10 V DC	DC	2
02	0 ~ ±10 V DC	AC	2

Ordering Options

The following ordering options are available on request. Minimum order quantity and/or minimum order value may apply.

Option details	
1.	Input : 0 ~ ±5 V DC, 0 ~ ±2 V DC or 0 ~ ±1 V DC
2.	No. of Outputs : 1

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INSTRUMENTS T : + 91 22 42537777 x 701 F : + 91 22 42537700 E : sales@radix.co.in
 SENSORS T : + 91 22 42537777 x 732 F : + 91 22 42537700 E : sensors@radix.co.in
 GAUGES T : + 91 22 42537777 x 733 F : + 91 22 42537700 E : gauges@radix.co.in
 AUTOMATION C : 0-9322405471 C : 0-9324319150 E : automation@radix.co.in

Radix Electrosystems Pvt Ltd, B-14, 2nd Floor, Ghanshyam Indl Estate, Veera Desai Road, Andheri (West), Mumbai - 400 053, India
 Tel : + 91 22 42537777 Fax : + 91 22 42537700 Email : sales@radix.co.in www.radix.co.in

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