

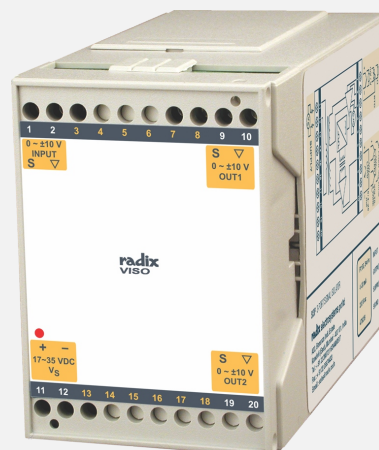
0.02% accuracy

Response time <500  $\mu$ Seconds

0 ~  $\pm 10$  V input / dual output

1500 VAC RMS isolation

- AC & DC input type
- 0 ~  $\pm 10$  V /  $\pm 5$  V /  $\pm 2$  V /  $\pm 1$  V signal in
- 0 ~  $\pm 10$  V signal out
- 1 or 2 outputs
- Excellent for fast and transient phenomena



## General

VISO is a signal isolator for AC or DC signals upto  $\pm 10$  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

<p><b>INPUT</b></p> <p>Input voltage Input frequency</p> <p>Input impedance</p> <p><b>OUTPUT</b></p> <p>Output voltage No. of outputs Short circuit protection Load Ripple in output voltage Output resistance</p> <p><b>ACCURACY</b></p> <p>DC transfer accuracy</p> <p>Temperature coefficient of DC transfer accuracy Common Mode Rejection Ratio (CMRR) Response time</p> <p>Effect of load on accuracy (2 K ohms to no load)</p> <p><b>ISOLATION</b></p> <p>Mutual isolation between input / outputs / supply and between outputs</p> <p><b>POWER SUPPLY</b></p> <p>Supply voltage Power consumption</p>	<p>0~<math>\pm 10</math>V / 0~<math>\pm 5</math>V / 0~<math>\pm 2</math>V / 0~<math>\pm 1</math>V 0 to 1000 Hz (AC input type) 0 to 5 Hz (DC input type) &gt; 100 kohms</p> <p>0 ~ <math>\pm 10</math> V (20 V peak-to-peak) 1 or 2 (for 4 outputs, contact us) Provided &gt; 2 K ohms &lt; 2 mV peak-to-peak &lt; 100 ohms</p> <p>Typical : <math>\pm 0.02\%</math> span Worst case : <math>\pm 0.1\%</math> span <math>\pm 0.005\%</math> of span per °C</p> <p>&gt; 120 dB</p> <p>&lt; 500 microseconds for 20 volts peak-to-peak (see Fig1 &amp; Fig2) &lt; 0.01% span</p> <p>1500 V AC RMS, 50 Hz, 1 minute 250 V AC RMS, 50 Hz, continuous</p> <p>17~35 V DC 1 output : &lt;1.3 watt @ 24 VDC 2 outputs : &lt;2.3 watts @ 24 VDC</p>	<p><b>ENCLOSURE</b></p> <p>Material Dimensions Mounting</p> <p>Connection, single/ stranded wires Protection</p> <p>Weight</p> <p><b>TEMPERATURE, HUMIDITY</b></p> <p>Ambient, operation Relative humidity</p>	<p>ABS plastic 75(H) x 55(W) x 110(D) mm Snap on for 35 mm DIN rail to DIN 46277 <math>\leq 2.5</math> mm<sup>2</sup>, AWG 14</p> <p>Enclosure : IP40 Terminals : IP20 250g (approx)</p> <p>0 to 60 °C 0 ~ 95%</p>												
<p><b>Ordering Information</b></p>															
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Fig 1 : Input – Output Measurements

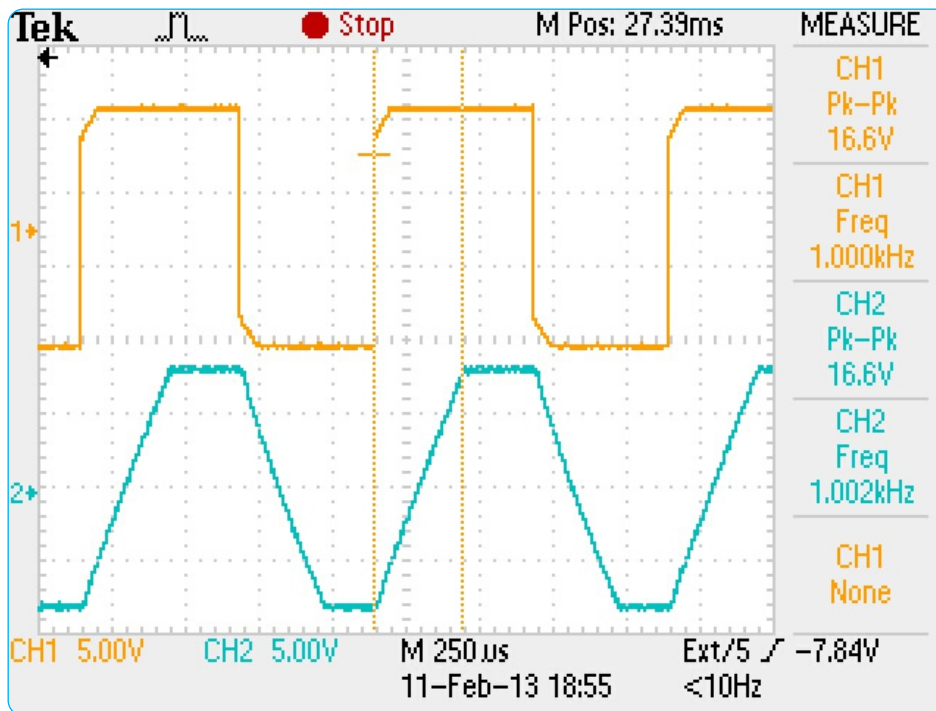


Fig 2 : Response Time for Fig 1

