

± 10 V AC/DC IN/OUT, 0~3 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 250 Hz
- Works upto 3 KHz

VIS1 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 3000 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 3000 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 250 Hz < 0.1% span
 Over 10 to 1000 Hz < 2% span
 Over 10 to 3000 Hz < 10% 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
Connection, single/stranded wires ≤ 2.5 mm², AWG 14
Protection IP 20

TEMPERATURE, HUMIDITY

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

BEE INSTRUMENTS
 (Madhu Group)

www.beeinstruments.com

1st Floor, Krishna Bldg., Shamrao Vithal Lane,
 off. Lamington Rd., Mumbai - 400007, India
 Mobile : + 91 98217 27104
 Tel : +91 22 23800783 / 23864484 / 23876707
 Fax : +91 22 2387 6729
 email : sales@beeinstruments.com
 website : www.beeinstruments.com