

# Signal Isolators and Multipliers

## Current Signal Isolator



### Features:

- Optical & Galvanic Isolation between Input, Output & Power Supply
- High accuracy and linearity to input signal
- Very low power consumption and heat dissipation
- Digital Indication option with/without control relay outputs
- Rugged, industrial grade ABS enclosure

### Technical Specification:

Type	Analog signal Isolator.
Principle	Optical Isolation and Signal Conditioning and Amplification
Input Signals	4 to 20 mA DC
Output Signal	4 to 20 mA DC
Load Driving Capacity	600 Ohms.
Isolation type	Optical and Galvanic.
Isolation level	1.5 kV
Indication	Red LED for Power On.
Output protection	Short / Open Circuit protection.
Calibration facility	Zero and Span settings [external].
Power Supply	24VDC [Optionally 20 to 70 V DC].
Power Consumption	1 Watt
Dimensions [H x W x D].	75 x 22.6 x 170 mm.
Execution	DIN-Rail mounting.
Operating Temperature	0 to + 55°C.
Part no.	UL-TX330-I-D-N
Ordering Code	091010100047

## Voltage Signal Isolator



### Features:

- Optical & Galvanic Isolation between Input, Output & Power Supply
- High accuracy and linearity to input signal
- Very low power consumption and heat dissipation
- Digital Indication option with/without control relay outputs
- Rugged, industrial grade ABS enclosure

### Technical Specification:

Type	DC Voltage Signal Isolator
Principle	Optical Isolation and Signal Conditioning.
Input Signals	0 to 10 Volts DC [or as required].
Output Signal	0 to 10 Volts DC [or as required].
Isolation type	Optical and Galvanic.
Isolation level	1.5 kV rms for one minute.
Output protection	Short / Open Circuit protection.
Calibration facility	Zero and Span settings [external].
Indication	Red LED for Power On.
Power Supply	85 to 270 V AC, 50 Hz [Optionally 20 to 70 V DC].
Power Consumption	3 Watt
Dimensions [H x W x D].	100 x 22 x 110 mm.
Execution	DIN-Rail mounting.
Operating Temperature	0 to + 50°C.
Part no.	UL-TX235-I-S-N
Ordering Code	091010100056

## Signal Isolating Repeater



### Features:

- Optical & Galvanic Isolation between Input, Output & Power Supply
- High accuracy and linearity to input signal
- Very low power consumption and heat dissipation
- Options of multiple [upto four] isolated outputs
- Rugged, industrial grade ABS enclosure

### Technical Specification:

Type	Analog Signal Isolating Multiplier (Repeater /Splitter).
Principle	Optical Isolation and Signal Conditioning and Amplification
Input Signals	4 to 20 mA DC [or as required].
Output Signal	Two isolated and buffered outputs of 4 to 20 mA DC
Load Driving Capacity	600 Ohms.
Isolation type	Optical and Galvanic.
Isolation level	1.5 kV rms for one minute.
Output protection	Short / Open Circuit protection.
Calibration facility	Zero and Span settings [external].
Indication	Red LED for Power On.
Power Supply	90 to 270 VAC 50/60 Hz [Optionally 20 to 70 V DC].
Power Consumption	1.8 Watt
Dimensions [H x W x D].	100 x 22 x 110 mm.
Execution	DIN-Rail mounting.
Operating Temperature	0 to + 50°C.
Part no.	UL-TX232-LLHN
Ordering Code	091010100035