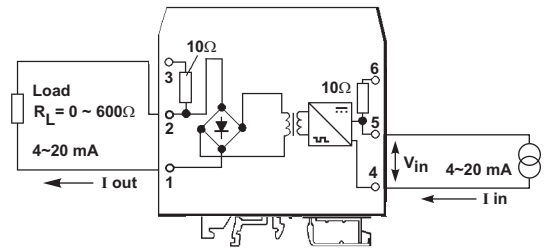


- 4 ~ 20 mA in, 4 ~ 20 mA out
- Isolation between input and output :
1.5 KV AC RMS / 1 minute,
250 V AC RMS continuous
- 0.1% transfer accuracy
- 5 V loop drop
- 0 ~ 600 Ω load without trimming
- DIN rail mounting
- No power supply required



GENERAL

LPI61 is a loop powered isolator suitable for a variety of applications. It can be used, for example, to isolate the 4~20 mA current signal from a 2-wire thermocouple transmitter or temperature controller, and pass it on to a PLC or datalogger. LPI61 eliminates earth and ground loop problems and simplifies interfacing. LPI61 does not require load trimming. Its accuracy is specified for any load between 0 & 600 ohms.

SPECIFICATIONS

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

INPUT Input current Voltage drop across input terminals Reverse polarity protection Maximum input current		4 ~ 20 mA DC < 5V DC with zero ohms load on output Provided for current inputs 50 mA	
OUTPUT Nominal current transfer ratio Permissible load resistance		1:1 in the range of 4~20 mA 0 ~ 600 ohms without load trim	
ACCURACY Linearity & calibration Temperature coefficient of accuracy		< 0.1% of span (I out = I in ± 16 µA) 0.01% of span per °C	
ISOLATION Input/Output isolation		a) 1.5 KV AC RMS, 1 minute b) 250 V AC RMS, continuous	
CALIBRATION Zero, Span		20-turn potentiometers on front face	
ENCLOSURE Material Dimensions Mounting		ABS plastic 80(H) x 25(W) x 85(D) mm Snap on for 35 mm DIN rail to DIN 46277 ≤ 2.5 mm ² , AWG 14	
Connection, single / stranded wires Weight Protection		≤ 200 grams IP 20	
TEMPERATURE, HUMIDITY Ambient, storage Ambient, operation Relative humidity		-20 to +85 °C -20 to +70 °C 0 ~ 95%	

ORDER CODE

2106



RADIX ELECTROSYSTEMS PVT LTD
 B-14, 2nd Floor, Ghanshyam Indl Estate
 Veera Desai Road, Andheri (West)
 Mumbai - 400 053, India
 + 91 22 42537777 | sales@radix.co.in

OTHER ENQUIRIES

Instruments sales@radix.co.in
Sensors sensors@radix.co.in
Gauges gauges@radix.co.in
Automation automation@radix.co.in