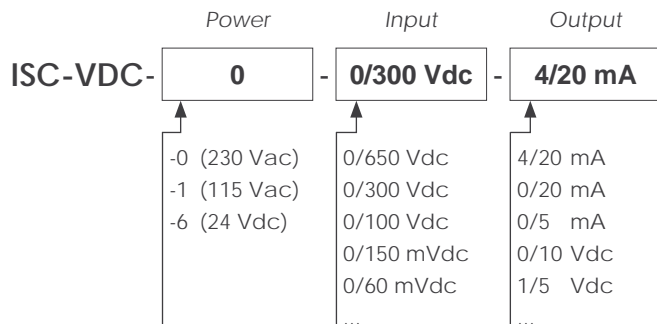


ISC-VDC Signal converter for DC voltages

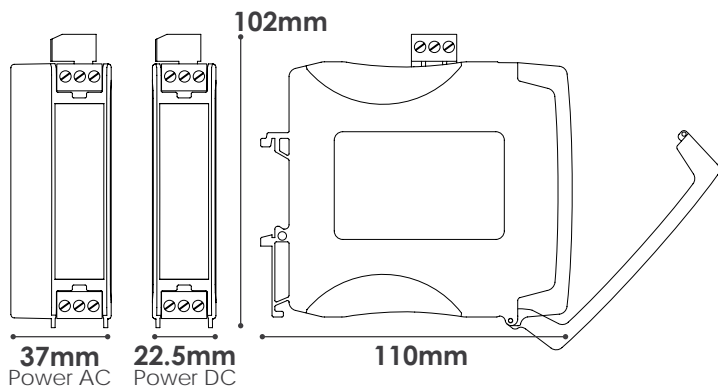
Signal converter for DC voltage signals, DIN rail mounting. Multiple input signal ranges up to 650Vdc and from 60mVdc. Output ranges in 4/20mA or 0/10Vdc. Power options in AC and DC. High isolation between input, output and power circuits.



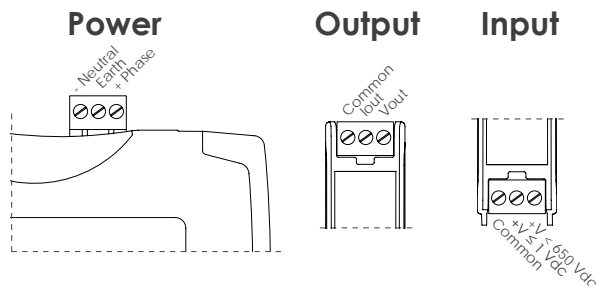
Order reference



Dimensions



Connections



Technical specifications

Input ranges*	Input impedance	Maximum oversignal	Output ranges*	Type	Load
0/650 Vdc	1 Mohm	1000 Vdc	4/20 mA	active	<400 Ohm
0/300 Vdc	1 Mohm	1000 Vdc	0/20 mA	active	<400 Ohm
0/150 Vdc	1 Mohm	1000 Vdc	0/10 Vdc	active	>1 K Ohm
0/100 Vdc	1 Mohm	1000 Vdc	0/1 Vdc	active	>1 K Ohm
0/65 Vdc	1 Mohm	500 Vdc			
0/30 Vdc	1 Mohm	500 Vdc			
0/15 Vdc	1 Mohm	500 Vdc			
0/7.5 Vdc	1 Mohm	500 Vdc			
0/1 Vdc	5 Mohm	100 Vdc			
0/650 mVdc	5 Mohm	100 Vdc			
0/300 mVdc	5 Mohm	100 Vdc			
0/150 mVdc	5 Mohm	100 Vdc			
0/75 mVdc	5 Mohm	100 Vdc			

* Intermediate input and output ranges are available, operating the Span and Offset potentiometers.

General

Signal	DC voltages
Accuracy	0.3% F.S.
Linearity	0.2% F.S.
Thermal drift	250 ppm/°C
Response time	<70mSec. (0% to 90% signal)
Bandwidth	20Hz (-3dB)

Power

Power	230Vac, 115Vac and 24Vdc
Consumption	<3.8VA

Isolation*

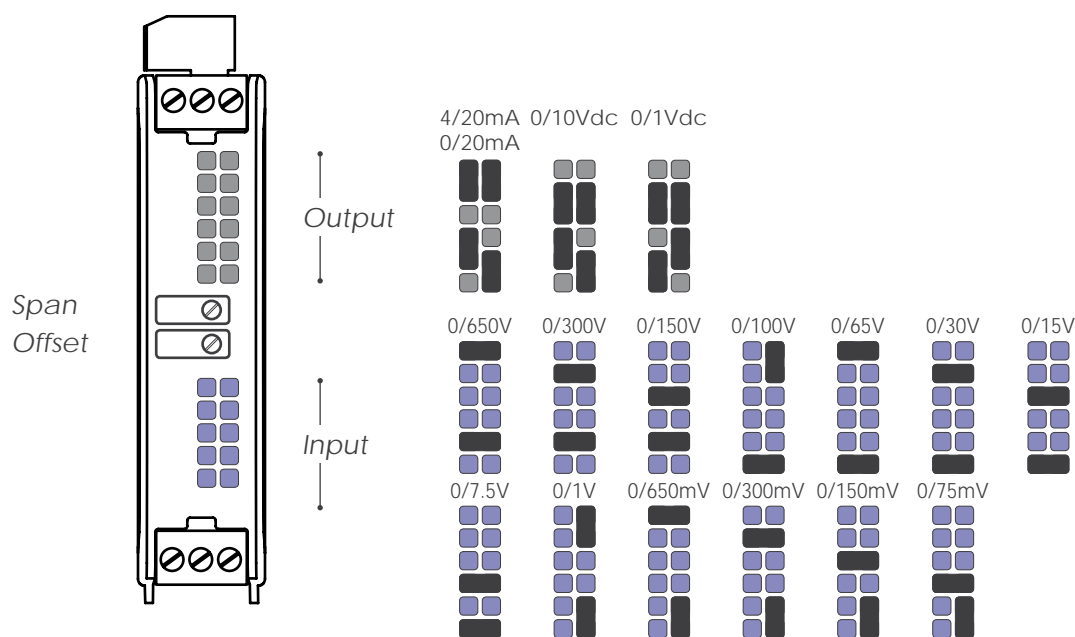
Input-output	3500Veff, optical
Power-input	3500Veff, galvanic
Power-output	3500Veff, galvanic (with AC power) 1000Veff, galvanic (with DC power)

* instrument isolated 3 ways, isolation tested during 60 sec.

Mechanical

Mounting	DIN rail standard (35x7.5mm)
Connections	pug-in screw terminal
Weight	120 grams (with DC power) 200 grams (with AC power)
Housing material	polyamide PA6 UL94 V2
Protection	IP30

Jumpers for range selection



Isolated signal converters Series ISC

	Model													
	ISC-LC	ISC-RES	ISC-HZ	ISC-POT	ISC-IDC	ISC-VDC	ISC-IAC	ISC-VAC	ISC-TS	ISC-TR	ISC-TE	ISC-TT	ISC-TK	ISC-TJ
Signals accepted														
Process														
Pt100 / RTD														
Thermocouple J														
Thermocouple K														
Thermocouple T														
Thermocouple E														
Thermocouple R														
Thermocouple S														
Voltages AC														
Currents AC														
Voltages DC														
Currents DC														
Potentiometers														
Frequency														
Resistances														
Load cells														

Meters for 4/20mA



Process panel meter
48x24mm - L35/A



Process panel meter
72x36mm - S40-P



Process panel meter
96x48mm - M40-P



Process meter
60mm digit - BDF-24



Process panel meter
100mm digit - BDF-44