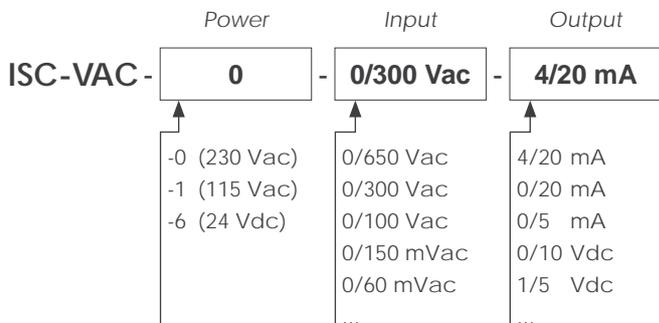


ISC-VAC Signal converter for AC voltages

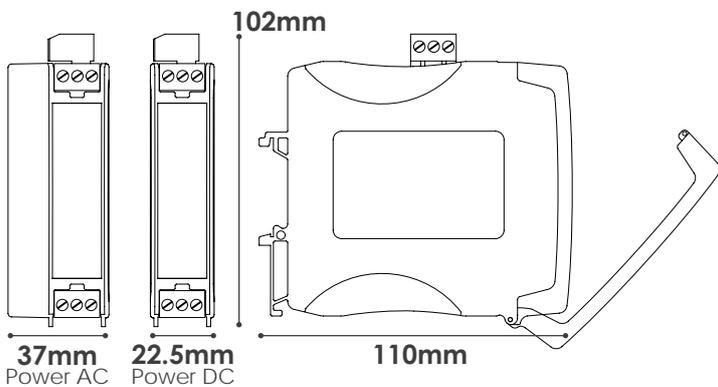
Signal converter for AC voltage signals, DIN rail mounting. Measure in mean square value. Multiple input signal ranges up to 650Vac and from 60mVac. Output ranges in 4/20mA or 0/10Vdc. Power options in AC and DC. High isolation between input, output and power circuits.



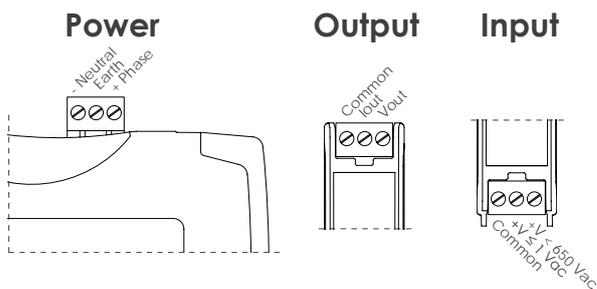
Order reference



Dimensions



Connections



Technical specifications

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

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

General

Signal	AC voltages, single phase
Type of measure	mean square value
Accuracy	0.3% F.S.
Linearity	0.2% F.S.
Thermal drift	250 ppm/°C
Response time	<250mSec. (0% to 90% signal)
Bandwidth	1KHz (-3dB)

Power

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

Isolation*

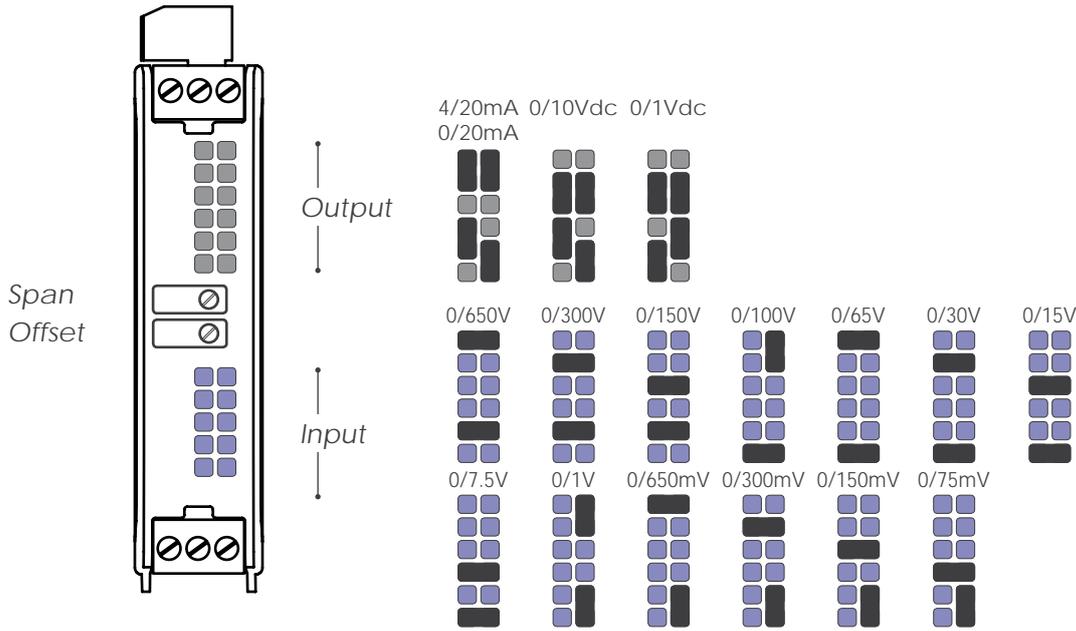
Input-output	3500Veff, optical
Power-input	3500Veff, galvanic
Power-output	3500Veff, galvanic (with AC power) 1000Veff, galvanic (with DC power)

* 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	ISC-PT100	ISC-P
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