CONFIGURABLE DIN RAIL CONVERTER

PCE-SCI-E



- **DIN rail mounting**
- **Measuring range 0 ... 600 V AC/DC**
- **Active and passive output signal**
- **Display and keypad for configuration**
- **Frequency measurement**
- **Measuring range 0 ... 5 A AC/DCOUNT(**

The transmitter has an adjustable measuring range of 0... 600 V AC/DC and can therefore measure a wide variety of voltages. For example, it is possible to connect the transmitter to the supply line in order to monitor the applied voltage. In addition to voltage measurement, the transmitter can also measure the current directly with a maximum adjustable measuring range of 0 ... 5 A AC/DC. A current transformer can be connected to the transmitter to expand the current range. The measured value is then converted by the transmitter into a standardized analog 4 ... 20 mA or 0 ... 10 V signal. Thus the transmitter is the ideal extension of a process control.

Since the input and output range can be set identically, the transmitter can be used for galvanic decoupling. The transmitter is configured directly via the keypad. This means that no additional cable or software is required for the settings of the signal converter. The transmitter is mounted on a DIN rail. The transmitter is operated with a voltage of 18 ... 265 V AC/DC at a frequency of 45 ... 65 Hz.

Specification

Direct voltage DC	
Measuring range	0 ... 500 mV
Resolution	0,1 mV
Accuracy	<0.2% FS
Direct voltage DC	
Measuring range	0 ... 600 V
Resolution	0,1 V
Accuracy	<0.2% FS
Direct voltage DC	
Measuring range	-500 ... +500 mV
Resolution	0,1 mV
Accuracy	<0.2% FS
Direct voltage DC	
Measuring range	-600 ... +600 V
Resolution	0,1 V
Accuracy	<0.2% FS
Direct current DC	
Measuring range	0 ... 500 mA
Resolution	0,1 mA
Accuracy	<0.2% FS
Direct current DC	
Measuring range	0 ... 5 A
Resolution	0,1 A
Accuracy	<0.2% FS
AC voltage	
Measuring range	0 ... 500 mV
Resolution	0,1 mV
Accuracy	<0.3% FS
AC voltage	
Measuring range	0 ... 600 V
Resolution	0,1 V
Accuracy	<0.3% FS
Alternating current AC	
Measuring range	0 ... 500 mA
Resolution	0,1 mA
Accuracy	<0.3% FS
Alternating current AC	
Measuring range	0 ... 5 A

General technical data	
Outputs	Current: - Active: 4 ... 20 mA; max. load 400 Ω - Passive: 4 ... 20 mA; max. 30V Loop voltage 0 ... 10V ; max. load 1 kΩ Voltage: 0 ... 10V DC minimum 0V DC and maximum <11V DC
Measuring functions	True RMS
Connections	Screw terminal 5.08 mm
Frequency	45 ... 65 Hz
Warm-up time	15 min.
Housing	Polyamide V0
Operating height	2000 m max. above sea level
Safety standard	CAT II / 300V
Mounting	Standard DIN top-hat rail 35 x 7.5 mm
Insulation	3000 Turn on for 60 seconds
Performance	1,5 W
Cable cross-section from ... to	1 ... 2.5 mm²
Temperature-related deviation	150 ppm/°C (°F)
Protection class (device)	IP30
Power supply	20 ... 240V AC/DC ±10% | 45/65 Hz, isolated
Operating conditions	0 ... 50 °C , 0 ... 95 %RH
Storage conditions	-20 ... 70 °C , 0 ... 95 %RH
Dimensions (L x W x H)	110 x 106 x 22 mm
Weight	128 g

PCE Americas Inc. dba PCE Instruments
1201 Jupiter Park Drive, Suite 8
Jupiter, FL 33458
USA

Phone: +1-561-320-9162
info@pce-americas.com

Resolution	0,1 A
Accuracy	<0.3% FS
Frequency	
Measuring range	45 ... 55 Hz
Resolution	1 FPM
Accuracy	<0.2% FS
Frequency	
Measuring range	55 ... 65 Hz
Resolution	1 Hz
Accuracy	<0.2% FS
Frequency	
Measuring range	0 ... 100 Hz
Resolution	1 Hz
Accuracy	<0.2% FS