

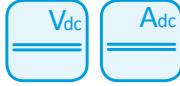
# Isolated Signal Converters

Accepted Input Signals

AC Voltages, AC Currents and Frequency



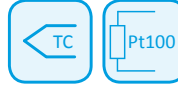
DC Voltages, and DC Currents



Process



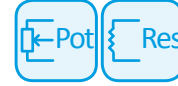
Thermocouples and Pt100/RTD



Load cells



Potentiometers and resistances



Customized



## SIGNAL CONVERTERS

# SERIE ISC

Isolated for best system protection



## Conversion and Isolation

Input channels .....1  
 .....see back of this document  
 Output channels .....1  
 .....4/20 mA, 0/10 Vdc, 0/20 mA, ...  
 .....active  
 Isolation  
 • input - output .....3500 Veff galvanic & optic  
 • input - power .....3500 Veff galvanic  
 • output - power .....3500 Veff or 1500 Veff galvanic  
 Isolation times .....all isolations tested for  
 60 seconds each

## Power and Mechanical

Power .....230 Vac  
 .....115 Vac  
 .....24 Vdc  
 Consumption .....<3.8 VA  
 Mounting .....standard DIN rail  
 Connections .....plug-in screw terminals  
 Weight .....120 gr. for DC powered units  
 .....200 gr. for AC powered units  
 Protection .....IP40

# Input Signals

## Process

ISC-P . . . . . 4/20 mA, 0/10 Vdc, ...

- includes excitation voltage to power-up the transducer

## Temperature

ISC-PT100 . . . . . Pt100 / RTD 2 and 3 wires

- ISC-TJ . . . . . Thermocouple J
- ISC-TK . . . . . Thermocouple K
- ISC-TT . . . . . Thermocouple T
- ISC-TE . . . . . Thermocouple E
- ISC-TS . . . . . Thermocouple S
- ISC-TR . . . . . Thermocouple R

## DC voltages and currents

ISC-VDC . . . . . from 0/60 mVdc to 0/650 Vdc

ISC-IDC . . . . . from 0/100 mAdc to 0/5 Adc

## AC voltages and currents

ISC-VAC . . . . . from 0/75 mVac to 0/650 Vac

ISC-IAC . . . . . from 0/100 mAac to 0/5 Aac

## Frequencies

ISC-HZ . . . . . from 0/40 Hz to 0/50 KHz

- includes excitation voltage to power-up the transducer

## Load cells

ISC-LC . . . . . from 0/10 mVdc to 0/30 mVdc

- does not include excitation voltage to power-up the load cell

## Resistances

ISC-RES . . . . . from 0/1.5 KOhm to 0/10 KOhm

## Potentiometers

ISC-POT . . . . . potentiometers from 100 Ohms to 1 MOhm



# Series CCT

## CCT-100

Function . . . . . Loop powered isolator

Input . . . . . 0/50 mA

Output . . . . . 0/50 mA

Isolation . . . . . 2000 Veff



## CCT-55I

Function . . . . . Signal integrator

Input . . . . . 4/20 mA, 0/20 mA, ...

Output . . . . . frequency / impulses

Isolation . . . . . 2000 Veff



## CCT-55V

Function . . . . . Signal integrator

Input . . . . . 0/10 Vdc, 0/100 Vdc, ...

Output . . . . . frequency / impulses

Isolation . . . . . 2000 Veff

