

# MISCN - 4 wire Transmitter



MISCN - CAC

MISCN



## ◆ Specification ◆

- Accuracy:**  $\pm 0.1\%$  F.S.(DC),  
 $\pm 0.2\%$  F.S. for PT100,  
 $\pm 0.25\%$  F.S.(AC)
- Power supply:** 115/230  $\pm 15\%$ VAC
- Input:** 4 $\div$ 20mA/0 $\div$ 300V DC,  
 0 $\div$ 1A, 0 $\div$ 5A / 0 $\div$ 300V AC ...  
 (see also the table below)
- Output:** 4 $\div$ 20 mA or 0 $\div$ 10 V or other
- Galvanic isolation** between in & out: 1500VDC
- Display:** LED indicates power ON
- Ambient Temp.:** -20  $\div$  +65 $^{\circ}$ C
- Enclosure:** plastic case NORIL
- Size:** W 70 x H 73 x L 90mm .
- Connection:** plug-in terminals (12 pins)
- Mounting:** DIN-rail

## ◆ Description ◆

MISCN - transmitter converts different input signals (I/V DC/AC, PT100, R, POT) to standard signal 4 $\div$ 20mA or 0 $\div$ 10V. There is also a model for "Average of two input signals".

"Absolute Value" or "Square root Extractor" of input ( $\sqrt{I_{in}}$ ) are available at the old model MI SC.

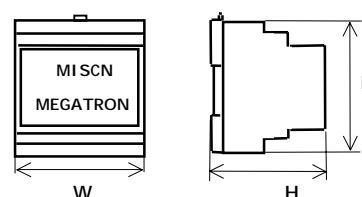
## ◆ Calibration ◆

The device is calibrated according to customer requirements.

Output signal can be adjusted by ZERO and SPAN potentiometers installed on the circuit board under the front panel.

- Adjust output signal by ZERO to obtain value 4mA when input signal is minimum. Adjust output by SPAN to obtain value 20mA when input signal is maximum.
- Repeat calibration.

## ◆ Dimension ◆



### DC models

## ◆ Models ◆

Models	Transmission	* Input	Output
MISCN - CTC MISCN - CTV	Current DC to current/voltage DC	4 $\div$ 20 mA $R_{in} < 25 \Omega$	4 $\div$ 20 mA $R_{LOAD} < 800 \Omega$ or 0 $\div$ 10 V $R_{LOAD} > 500 \Omega$
MISCN - VTC MISCN - VTV	Voltage DC to current/voltage	0 $\div$ 10 V $R_{in} > 10 M\Omega$ > 10 V up 300V $R_{in} > 1 M\Omega$	
MISCN -...- HI		Option: 0 - 10 V $R_{in} > 100 M\Omega$	
MISCN - R	External resistance	R=0 $\div$ 100K $\Omega$ (2 wire)	
MISCN - POT		R=0 $\div$ 100K $\Omega$ (3 wire)	
MISCN - RTD	RTD to current/voltage	PT100	
MISCN - AV	Average of 2 signals	$I_1, I_2 = 4\div 20$ mA $R_{in} < 25 \Omega$	
MISCN - TWT	for 2 wire transmitter	4 $\div$ 20 mA, includes power 24V	

MISCN-P-2-07-E

\* Available other standards.

**megatron** electronics & controls ltd

Manufactures & Representatives for Control Equipment



**מגטרון** אלקטרוניקה ובקרה בע"מ

יצרנים ומפיצים של ציוד מכשור בקרה והתערה

Web site: <http://www.megatron.co.il>

תל. 04-8410704, פקס. 04-8410705, רח' מרקוני 12, תד. 1719, חיפה 31016

