

ISOLATED CONVERTER VOLTAGE-TO-CURRENT

MS3001



TECHNICAL DESCRIPTION AND  
USER MANUAL

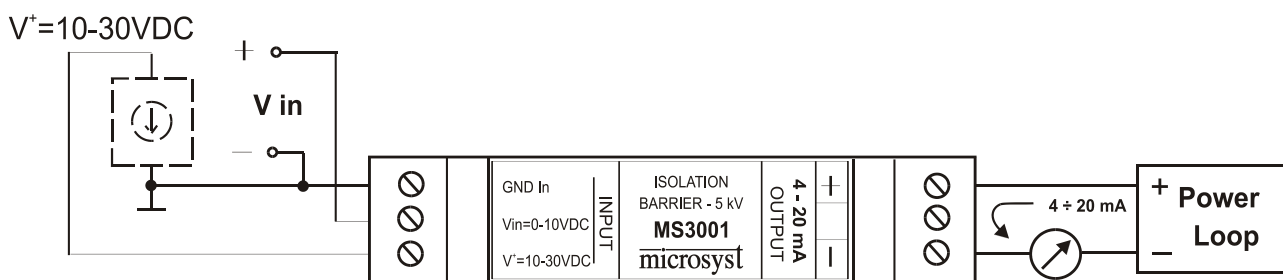
## DESCRIPTION

MS3001 of MICROSYST is a galvanically isolated converter of direct voltage  $0 \div 10$  V DC in direct current  $4 \div 20$  mA. The input is 3-wire and the output is 2-wire, passive.

## TECHNICAL DATA

Input voltage nominal range	$0 \div 10$ V DC Other – by order
Input resistance	100 k $\Omega$
Output signal	$4 \div 20$ mA DC 2-wire line
Total measurement error	0.03 % from range
Input power supply	$10 \div 30$ V DC max consumption 5 mA DC
Galvanically isolated input / output	5 kV
Electrical connection	Terminals in the body
Protection class	IP 40
Operating temperature of the converter	$-40 \div 85$ °C
Mounting	DIN Rail EN50022
Dimensions [mm]	18 x 90 x 53 mm
Weight [g]	max 50 g

## ELECTRICAL CONNECTION OF THE CONVERTER



$V^+$	Input power supply
$V_{in}$	Input voltage
GND In	Ground of the power supply
OUT+ и OUT-	Passive output $4 \div 20$ mA, corresponded to the input voltage

## WARRANTY CARD

Warranty card №:.....

Warranty term:..... months

Factory number:.....

The items were purchased from:.....

Invoice number:...../..... 20..... year .

## GUARANTEE CONDITIONS

The guaranty consists in free repairs of all the factory defects which can occur during the guarantee period. The repair is performed as in the repair base is being presented the current guarantee card with which the device is bought. The warranty does not refer to issue caused by a bad transport, bad conservation, wrong exploitation, nature disasters, not following the instructions and the cases when there is an attempt to fix any defects by other people. In those cases the issue is being fixed only against payment.

The maintenance during the guarantee period and doing the claims happens according to the valid legislation.

### PERFORMED REPAIRS IN THE SERVICE

Service	Date of receipt	Order number	Type of repairs done	Date of transmission	Carried out the repair

Seller:.....

Buyer:.....

Bulgaria, 4002 Plovdiv, 4 Murgash str.  
Tel.: (+359 32) 642 519, 640 446 fax: (+359 32) 640 446  
[www.microsyst.net](http://www.microsyst.net) e-mail: [info@microsyst.net](mailto:info@microsyst.net)

---