



LABOR – ASTER

INDUSTRIAL AUTOMATION



Certyfikat nr QS/14/07



AC 083
QMS

VOLTAGE CONVERTER type U-S2-OK for cathodic protection

- Measurement of voltage $U = \pm 2.5 V_{DC}$, $U = \pm 5 V_{DC}$,
- To control the actual value of the potential of metal structures during cathodic polarization.
Inputs on terminals: +7, -8.
- Full galvanic separation of the circuits.

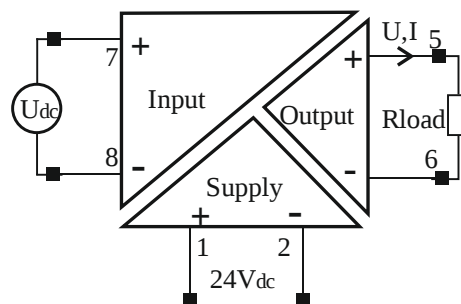
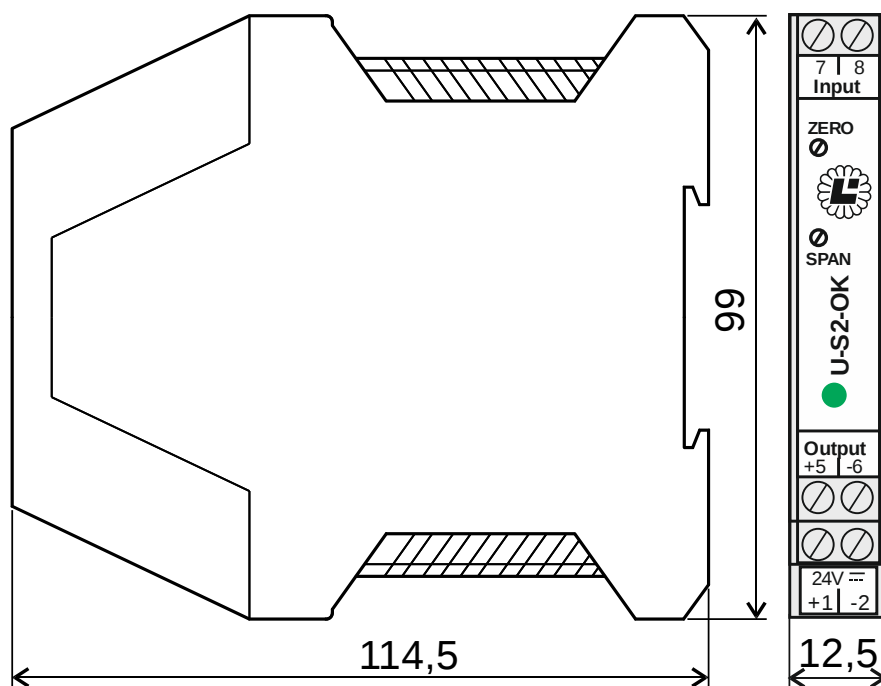
APPLICATION:

The converter U-S2-OK is designed to measure the potential between reference electrode and simulating electrode in cathodic protection systems of metal structures. The user can calibrate the beginning and the span of the range by potentiometers (ZERO and SPAN) placed on the front panel of the converter.

BASIC TECHNICAL PARAMETERS

Input signal	- possible signals with $\pm$ polarization
voltage	- e.g. $\pm 2.5V$, $\pm 5V$, $0 \div 2.5V$, $0 \div 10V$ etc.
input resistance	- typically $10M\Omega$
Output signal	- any standard
	- e.g. $0 \div 20mA$, $4 \div 20mA$, $0 \div 10V$

Output current max.	- 25mA
Class	- 0.2% + nonlinearity error
Nonlinearity	- $\pm 0.03\%$
Temperature drift	- 0.02%/°C
Time constant	- 0.2s (or as ordered in range 0.05...1s)
Galvanic separation	- all circuits mutually separated
Isolation voltage test	- 2kV, 50Hz or equivalent
Power supply	- 22...28V _{DC} / 60mA
Rail housing	- width 12.5mm, IP20
mounting	- on rail TS35



Order example:

Voltage converter type U-S2-OK-(input $\pm 5V$)-(input resistance $10M\Omega$)-(output $4 \div 20mA$)

Production and distribution:

LABOR – ASTER

Poland, 04 – 218 Warsaw, ul. Czechowicka 19

tel. +48 22 610 71 80, +48 22 610 89 45, fax. +48 22 610 89 48

e-mail: biuro@labor-automatyka.pl labor@labor-automatyka.pl ; [http:// www.labor-automatyka.pl](http://www.labor-automatyka.pl)

The manufacturer reserves the right to make changes to the product.

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