

## MEASURING CONVERTERS "voltage / current" and "voltage / voltage" Series MPUI and MPUU



MPUI and MPUU is a measuring transducer which converts input voltage in it proportional output current or voltage. Power supply, input and output circuit they are mutual galvanically isolated.

### Technical data:

#### Input:

Input DC voltage range:

0 to 60 mV, 0 to 100 mV,

0 V to 10 V, 0 to 30 V, 0 to 60 V, 0 to 150 V, 0 to 300 V, 0 to 1,000 V and 0 to 5,000 V, DC

#### Output:

MPUI series, output current range: 0 to 20 mA, 4 to 20 mA

MPUU series, output voltage range: 0 to 2 V, 0 to 10 V

Maximum output voltage: 12 V

Maximum output load < 500  $\Omega$

Error, max. < 0.1 % (at the end of the scale)

Temperature coefficient, max. (/K) < 200 ppm

#### Power supply:

Nominal voltage: 24 V

Supply voltage range: 15 VDC to 35 VDC

Consumption: < 400 mW, typical (full load)

#### Other data:

Width: 12.5 mm

Depth: 99 mm

Height: 114.5 mm

Cutoff frequency: (3 dB) 75 Hz

Response to step function (10-90%): 4 ms

GRP test voltage: 3 kV AC (50 Hz, 1 min)

Isolation voltage input/output/supply: 2.5 kV 50 Hz, 1 minute

Operating temperature: -20 °C ... +70 °C

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**MARETON**

POWER ELECTRONICS  
ZAGREB-CROATIA

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**Series: MPUI and MPUU**

Rev: 0 Date Oct. 2008.

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