



## Transducer MFU 14

Part no. 53723

**multifunctional transducer**

### benefits

- Universal input (current, voltage, resistance)
- integrated supply voltage for 2/3-wire transmitter
- 2 analogue outputs
- 2 or 4 additional contact outputs
- Programming interface
- Universal power supply unit

### Application

The digital multi-purpose transducers are freely programmable digital transducers with two analogue outputs and up to 4 relays.

### Description

Current up to 20 mA (also bipolar), voltage up to 10 V (also bipolar) or a three-wire technology potentiometer are possible input signals. In addition, a supply for 2-wire or 3-wire transmitters is integrated. The inputs are galvanically isolated from the voltage and the outputs. The two analogue outputs can be used simultaneously.

### Technical Specifications

#### Display

multi-line LCD,  
42 x 64 pixels,  
multicolour backlight,  
backlight can be switched off

#### Range

0 to 9,999 digits,  
start and end values configurable as required,  
free scaling unit,  
3 languages (German, English, French)

#### Accuracy

± 0.2 % of maximum value

#### Resolution

inputs: 13 Bit  
outputs: 10 Bit

#### inputs

Current: max. -20.4/+20.4 mA, adjustable as required  
voltage: max. -10.2/+10.2 V, adjustable as required  
potentiometer: 0.1/100 kOhm, adjustable as required  
transmitter supply: DC 19.5 – 24.5 V

#### Analogue output 1 (current)

max. 0/4–20.4 mA, adjustable as required  
galvanically isolated from input

#### Analogue output 2 (voltage)

max. 0/2–10.2 V, adjustable as required  
galvanically isolated from input

### switching outputs

MFU 14

4 voltage-free changeover contacts

Configurable as required

Contact rating: max. AC 250 V

configurable functions: energising/de-energising, hysteresis, window or trend function selectable delays for energising/de-energising

### Linearisation

via 24 free x/y points on characteristic curve characteristic curve mode table, cylinder, sphere

### additional functions

Alarm message in the case of missing or defective sensor Zoom function, spreading, inverted mode, trend indication, teach functions automatic or manual simulation mode Locking of parameters / editing lock Programming interface

### Supply voltage

AC 50 – 253 V

DC 20 – 253 V

### Housing

DIN rail housing

W x H x D: 33 x 110 x 128 mm

screw terminals removable

## Options

- Programming software MFU 03-S (Win XP, Vista, 7) with interface cable and USB adapter
- device with identical functions, but for temperature inputs (Pt100, Pt1000, Ni1000 and thermocouples)

## Versions

Part no.

Transducer MFU 14	4 voltage-free changeover contacts	●	53723
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- in-stock items
- Non-stock items