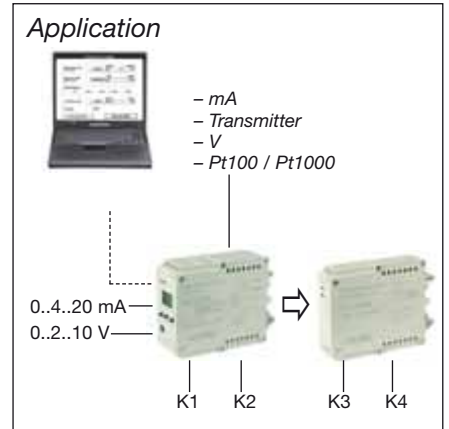


Multifunctional transducer MFU



- Easy operation
- Scalable as required
- Programming interface
- Extendable
- Universal input
- Integrated supply voltage for transducer
- 2 analogue outputs
- Linearisation 16 x-y points



Description

Universally programmable, multi-functional transducer for current, voltage, resistance transmitters (Pt 100 and others), potentiometer. 2 linear analogue outputs (1x (0)4–20 mA, 1x (0)2–10 V) galvanically isolated from the input. 2 fully programmable, voltage-free limit switches (can be extended to 4).
Interface for configuration via PC. Three-colour, two-line LCD for direct indication of the operating state. Universal power supply.

Technical specifications

Display

Two-line, 4-digit, 12 mm high, 3-colour LCD

Range

0 to 9999 digits (min. and max. values scalable as required)
Unit indication.

Accuracy of measurement

±0.3 % of FS

Resolution

Decimal point setting as required

Sensor input

2-wire transmitter (DC 24 V)
3-wire transmitter (DC 24 V)
Current max. 20 mA
Voltage max 10 V
Pt 100 2-,3- or 4-wire (according to DIN IEC 751)
Pt 1000 (according to DIN IEC 751)

Analogue outputs

2 synchronous analogue outputs, scalable as required 0/100 %

Analogue output 1 (current)

(0)4–20 mA, fully configurable, galvanically isolated from input

Analogue output 2 (voltage)

(0)2–10 V, fully configurable, galvanically isolated from input

Relay outputs

2 x voltage-free changeover contacts, fully adjustable AC 250 V 2A 100 VA (a total of 4 voltage-free changeover contacts if contact extension module is used)
2x open collector outputs, max. 30 V, 50 mA (earth switching) for contact extension module

Linearisation (via software)

Customer specific linearisation with a max. of 16 points for volume indication (e.g. litres) in non-linear tanks

Supply voltage

AC/DC 2–253 V

Housing

Standard DIN-rail housing
W x H x D: 33 x 78 x 103 mm

Accessories (optional)

- **Contact extension module**
Input: 3 control lines from MFU
Output: 2 changeover contacts AC 250 V, 2 A, 100 VA
W x H x D: 23 x 78 x 103 mm
- **Programming software**
WIN 95/98/2000/XP

DG: H	Part no.	Price €
MFU 01 with display and keys	53712	
MFU 02 without display without keys	53713	
MFU-KEM Contact extension module	53714	
MFU-S Software and interface cable	53715	