

BEZBEDNOŠNA TEHNOLOGIJA
ZA ZAŠTITU ŽIVOTNE SREDINE

SAFETY AND
ENVIRONMENTAL
TECHNOLOGY


FÜLLSTANDSGERÄTE

14-01-02E

Evaluator TK-312

**Bez limita veze
Sa izlazom struje 0/4...20 mA**

TK-312 merni transduktor konvertuje signal otpora dopremljen iz naših TK-30...trajnih senzora nivoa u trenutni signal proporcionalan nivou. Signal struje jedinice (0/4 ... 20 mA) može se koristiti za indikaciju nivoa, beleženje i kontrolu ili druge promenljive vrednosti procesa koje su prisutne u trožicnom kolu.

TK-312 transformator struje otpora konvertuje trožicni signal otpora u signal voltaže, onda ga pojačava i koristi ga za kontrolu ubacenog pada struje. Pocetak i kraj mernog obima mogu biti podešeni spoljašnje.

Detalji o sistemu

Merni instrumenti nivoa tecnosti TK-30... pogledajte sekciju 11.

TK-312 Evaluator

**Without limit contacts
With current output 0/4...20 mA**

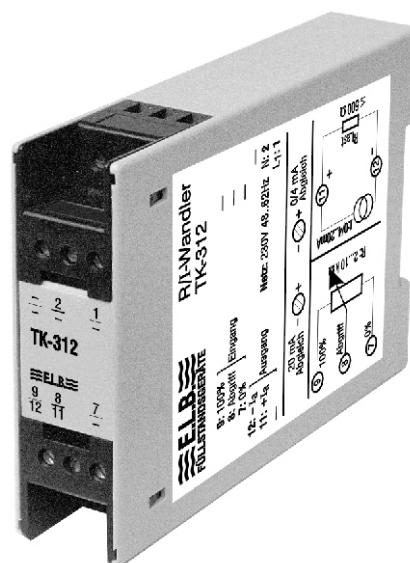
The TK-312 measuring transducer converts the resistance signal supplied from our TK-30... continuous level sensors into a current signal proportionate to the level. The unit current signal (0/4...20mA) can be used for level indication, recording and control or other process variables present in three-wire circuits.

The TK-312 resistance current transformer converts the three-wire resistance signal into a voltage signal, amplifies this and uses it to control an injected current sink.

The start and end of the measuring range can be externally adjusted.

System Details

Liquid level measuring instruments TK-30... please see section 11.



TK-312

AUSWERTGERÄTE • ANZEIGEN / EVALUATION AND DISPLAY UNITS



Tehnicki podaci

Sistem zaštite DIN 40050	Terminali: IP20 Kucište: IP 50 Na zahtev: IP 55
Operativna temp.	-20...+60°C
Proc. voltaža Na zahtev	230 V AC 24, 42, 115, 127 V AC 12, 24 V DC
Utrošnja struje	oko 1 VA
Ulazni signal	
Otpor u trožicnom kolu RG	2...10 kΩ
Merna voltaža	oko 6,2 V
Merna struja	Max. 12 mA
Voltaža	0...5 V
Izlaz	
Izlaz struje	0/4...20 mA
Teret	Max. 500Ω
Galvanska izolacija	Ulaz (izlaz) nasuprot pomocnoj struji (VAC) kroz transformator. Za VDC kroz DC/DC transformator na zahtev
Tolerancije	Max. ±0,6% obima signala

Kljuc tipa

Osnovne oznake	
Voltaža napajanja	
0 = 24 V DC	
1 = 24 V AC	
2 = 42 V AC	
5 = 127 V AC	
6 = 230 V AC	
8 = 115 V AC	
9 = 12 V DC	
Izlaz	
0 = 0...20 mA	
1 = 4...20 mA	
2 = 0...10 V	

TK-312 □ 00 □

Technical Data

System of protection DIN 40050	Terminals: IP 20 Housing: IP 50 On request: IP 55
Operating temperature	-20...+60 °C
Rated voltage	230 V AC
On request	24, 42, 115, 127 V AC 12, 24 V DC
Power consumption	about 1 VA
Input signal:	
Resistance in three-wire circuit R _G	2...10 kΩ
Measuring voltage	about 6,2 V
Measuring current	max. 12 mA
Voltage	0...5 V
Output:	
Current output	0/4...20 mA
Load	max. 500 Ohm
Galvanic isolation	Input (output) against auxiliary power (VAC) via transformer. For VDC via DC/DC transformer on request
Tolerances	max. ± 0,6 % of signal range

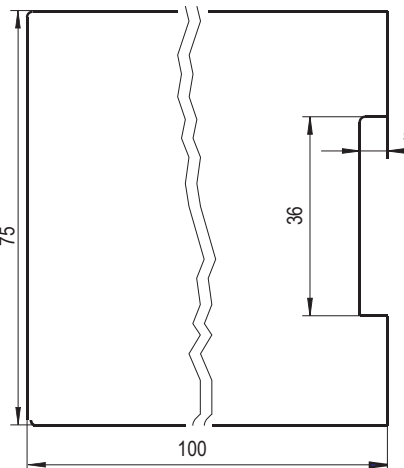
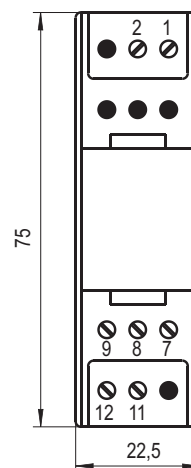
Type Key

Basic designation	
Supply voltage	
0 = 24 V DC	
1 = 24 V AC	
2 = 42 V AC	
5 = 127 V AC	
6 = 230 V AC	
8 = 115 V AC	
9 = 12 V DC	
Output	
0 = 0...20 mA	
1 = 4...20 mA	
2 = 0...10 V	

TK-312 □ 00 □

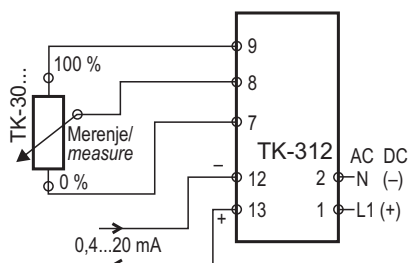
Dimenzioni crtez Dimensional Drawing

TK-312



Dimenzije u mm / Dimensioning in mm

Veza Connection



Moguca izmena bez prethodne najave.

Subject to change without prior notice, errors excepted.