

R/I transduktor TK-100

(za instalaciju u glavi spoja)

Merni transduktor TK-100 je dizajniran tako da bude ugrađen unutar kutije spoja naših TK-30... trajnih uronjenih magnetnih sondi. On transdukuje trožični signal otpornika od trajnih uronjenih magnetnih sondi u trenutni signal jedinice (4...20 mA) koji je proporcionalan nivou tecnosti. Neophodna snaga za TK-100 je obezbedjena sistemom dvožičnog napajanja, koji takodje transmituje signal od 4...20 mA otisnut od strane izlaza TK-100. Voltaža napajanja dvožičnog kola zavisi od otpora tereta (vidite takodje obim voltaže napajanja u tehničkim podacima).

- Niske cene instalacije
- Direktna veza sa SPS
- Integrisan u glavu detektora
- Nije potrebno podešavanje

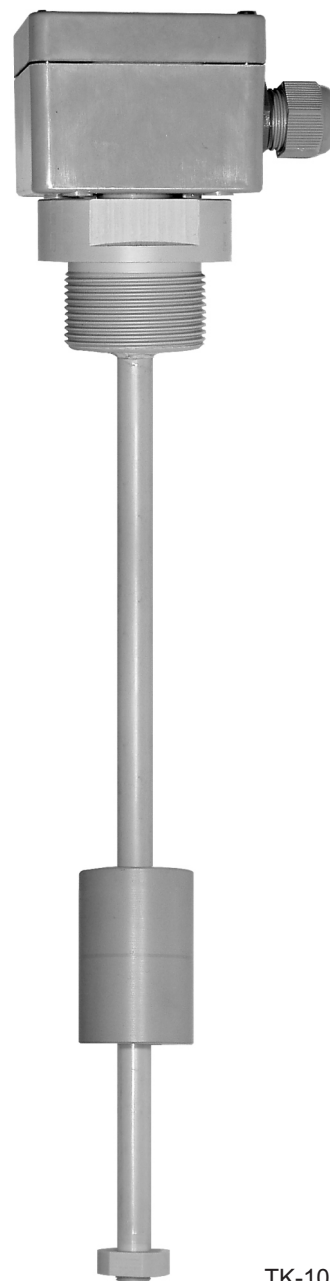
R / I Transducer TK-100

(for installation in the
connecting head)

The measuring transducer TK-100 is designed to be mounted inside the connector box of our TK-30... continuous magnetic immersible probes. It transduces the three-wire resistor signal from the continuous magnetic immersible probes into a unit current signal (4...20 mA) which is proportional to the liquid level.

The required power for the TK-100 is supplied by a two-wire supply system, which also transmits the 4...20 mA signal impressed by the output of the TK-100. The supply voltage of the two-wire circuit depends on the load resistance (see also the supply voltage range in the technical data).

- Low installation costs
- Direct connection to the SPS
- Integrated into the head of the detector
- No adjustment necessary



TK-100



Tehnicki podaci

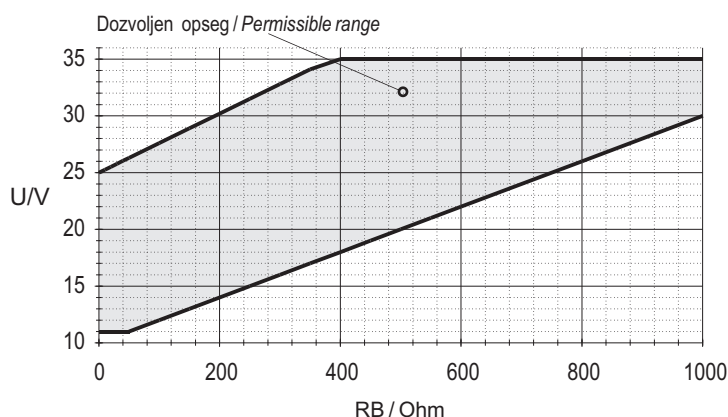
Ulaz:

Obim otpora u trožičnom kolu	4...7 k Ω
Izmerena struja	0.4 mA bei R _E = 4 k Ω 0.3 mA bei R _E = 7 k Ω
Voltaža mernog kola	1.7 V bei R _E = 4 k Ω 2.1 V bei R _E = 7 k Ω

Napajanje/Izlaz

2 žice	4...20 mA
Voltaža	11...35 V DC
Teret	0... 1000 Ω

Obim napajanje voltaže zavisi od otpora tereta (uključujući i otpor kretanja linije napred i nazad).



Radna temperatura	-20...+60 °C
Temp. skladištenja	-40...+80 °C

Greske:

Max. ukupna greska	±1 %
Uticao temperature	-0,015 % / °C
Uticao napajanja	0,025 % / V

Standardne specifikacije:

EMT	EN 50081-2 emitovane smetnje
	EN 50082-2 imunitet na interferenciju

Kluc tipa

Osnovna oznaka

TK100

Moguće izmene bez prethodne najave.

Technical Data

Input:

Resistance range in three-wire circuit	4...7 k Ω
Measured current	0,4 mA bei R _E = 4 k Ω 0,3 mA bei R _E = 7 k Ω
Measuring-circuit voltage	1,7 V bei R _E = 4 k Ω 2,1 V bei R _E = 7 k Ω

Supply / Output:

2-wire	4 ... 20 mA
Voltage	11 ... 35 VDC
Load	0 ... 1000 Ω

The supply voltage range depends on the load resistance (incl. the resistance of the forward and return line).

Operating temperature	-20...+60 °C
Storage temperature	-40...+80 °C

Error influences:

Max. total error	±1 %
Temperature influences	-0,015 % / °C
Power supply influences	0,025 % / V

Standard specifications:

EMC	EN 50081-2 Emitted interference
	EN 50082-2 Immunity to interference

Type Key

Basic designation

TK100

Subject to change without prior notice, errors excepted.

Crtez povezivanja Connecting Drawing

