

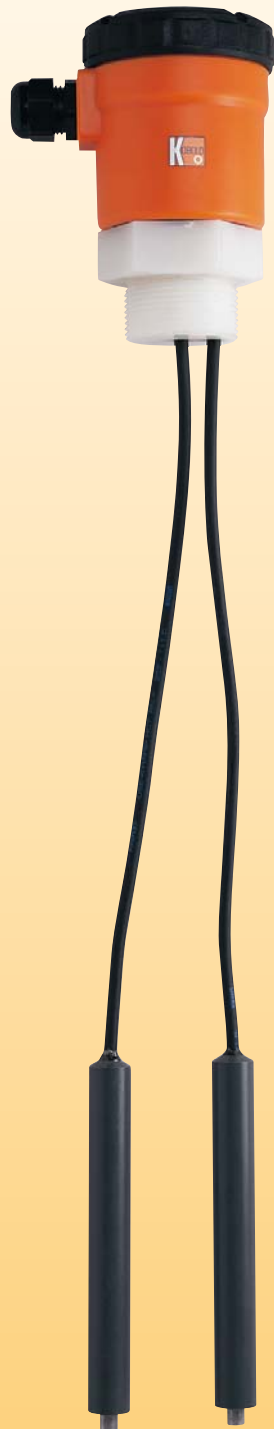


Conductive Suspended Electrodes

for Conductive Liquids



measuring
•
monitoring
•
analysing



- Pressure: max. 6 bar
- Temperature: max. 150 °C
- Connection: G 1/2, G 1 1/2
- Electrode material: Stainless steel, Hastelloy, Titanium
- Cable material: Neoprene or PTFE



KOBOLD companies worldwide:

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KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
☎ +49(0)6192 299-0
Fax +49(0)6192 23398
E-Mail: info.de@kobold.com
Internet: www.kobold.com

Model:
NEH

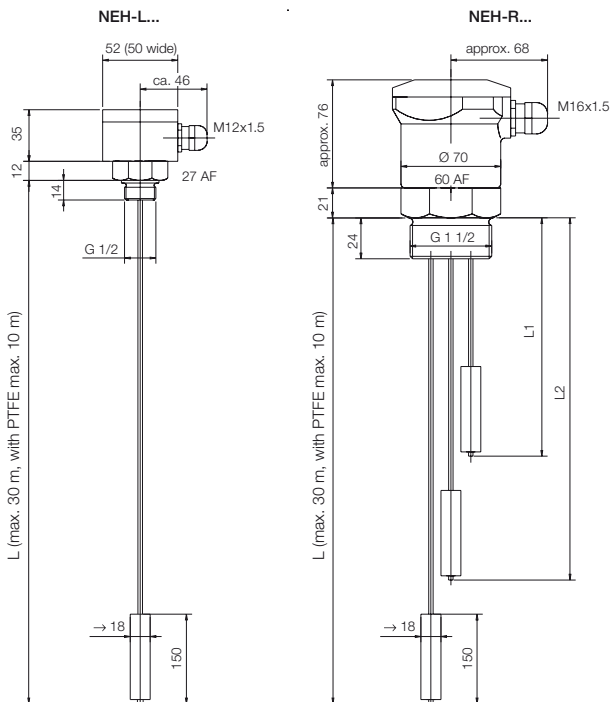


Description

KOBOLD limit switches model NEH are used for level monitoring and pump control of conductive liquids. The instruments operate on the conductive principle. A low a.c. voltage is applied between the conductive side of the tank or the earth electrode (longest electrode) and a switching point electrode. If the conductive medium touches the electrodes, a negligible alternating current flows across the electrodes and the conductive medium to the electrode relay. Suspended electrodes are ideally suited for installation when space is at a premium.

The relay amplifies the alternating current and operates a switching relay or a pump controller. An electrode relay of type NE-104 is required per switch point for signalling. For min./max. control two switching point electrodes must be connected to the relay. Relay NE-304 operates as two single relays (NE-104).

Dimensions



Technical Details

Housing:	Polyamide or Aluminium
Connections:	Polypropylene or PTFE G 1/2 (single electrode) G 1 1/2 (2-6-fold electrode)
Electrodes:	Stainless steel 1.4571, Hastelloy or Titanium
Cable insulation / body of electrode:	Neoprene / PVC PTFE / PTFE
Cable diameter:	6 mm (Neoprene) 2 mm (PTFE)
Max. length:	Neoprene cable 30 m, PTFE cable 10 m
No. of electrodes:	1 - 6
Max. temperature:	90 °C (Neoprene cable) 150 °C (PTFE cable)
Max. pressure:	6 bar
Min. conductivity:	approximately 20 µS/cm
Protection:	IP 65

Electrode relay

For technical details please refer to pp. 33-36 (Electrode relay model NE).

Order Details for electrode relay

Description of electrode relay	Supply		
	Order No. 24 V _{AC}	Order No. 230 V _{AC}	Order No. 110 V _{AC}
1 limit signal or 1 min./max. control	NE-1042	NE-1040	NE-1041
2 limit signals or 2 min./max. controllers	NE-3042	NE-3040	NE-3041

Order Details (Example: NEH-RENP1)

Model	Description	Housing	Electrode material	Cable insulation / body of electrode	Screwed fitting	Number of electrodes
NEH-	Conductive suspended electrodes	R = Polyamide L = Aluminium 0 = without (with 2 m cable)	E = Stainless steel H = Hastelloy* T = Titanium*	N = Neoprene/PVC V = PTFE/ PTFE	P = Polypropylene** F = PTFE*	1 = 1 electrode 2 = 2 electrodes 3 = 3 electrodes 4 = 4 electrodes 5 = 5 electrodes 6 = 6 electrodes

* with PTFE cable only **with Neoprene cable only

Please show the length of electrodes in clear text.