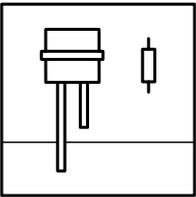


1-rod electrode



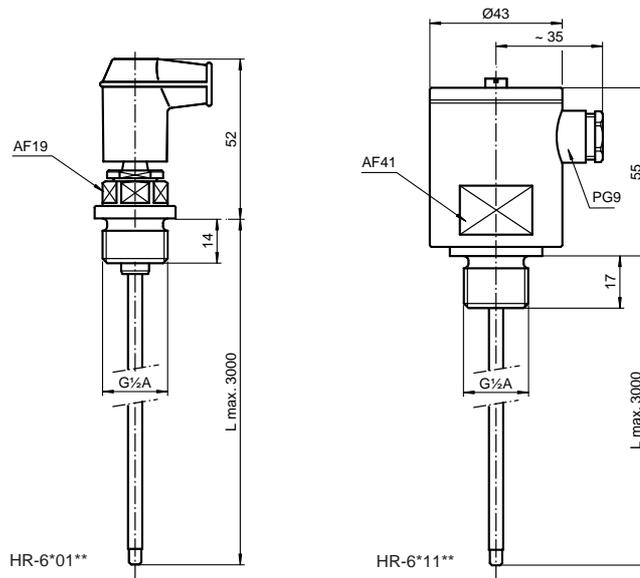
HR-6**1



Features

- Sensors for conductive limit value detection
- Electrode $\varnothing 6$ mm (0.24 inch) for lengths over 1.5 m (5 ft)
- 1-rod electrode with electrode socket or terminal box
- Different rod and thread materials

Dimensions



When placing your order, please specify the length (L) of the electrode rod.
The electrode rod can be cropped by the user if necessary.

Function

An electrode relay provides the measuring AC voltage for the electrode. If the product comes into contact with conductive batch, the measuring circuit between electrode and wall of vessel is closed and the electrode relay is switched.

	HR-6**1
Application	
Description	sensors for conductive limit value detection
Function and system design	
Equipment architecture	a measuring system consists of a rod electrode HR-6001 with electrode relay KFA6-ER 1.6, KFD2-ER 1.6, KFD2-ER-Ex1.W.LB or KFA6-ER-Ex1.W.LB
Input characteristics	
Measured variable	measuring voltage directly from the electrode relay
Output characteristics	
Output signal	electrode relay creates switch signal corresponding to the selected responsiveness
Operating conditions	
Ambient conditions	
Protection class	DIN EN 60529, IP65 with terminal box
Process conditions	
Process temperature	thread 6: ≤ 150 °C (423 K) thread 7: ≤ 90 °C (363 K) thread 8: ≤ 150 °C (423 K)
Process pressure	thread 6: ≤ 30 bar thread 7: ≤ 16 bar thread 8: ≤ 6 bar
Mechanical construction	
Dimensions	length L max. 3000 mm (10 ft)
Material	housing: stainless steel 1.4571, PP or PTFE thread: stainless steel 1.4571, PP or PTFE electrode rod: stainless steel 1.4571, Hastelloy C, titanium or tantalum
Process connection	G½A thread
Connection	terminal in electrode socket or in terminal box electrode socket: connection, max. 1 mm ² terminal box: connection, max. 2.5 mm ²

Type code/model number

