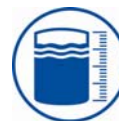


Conductive level sensor - Type NKS 13 -



- CONDUCTIVE THRESHOLD LEVEL DETECTION IN LIQUID MEDIA
- INSTALLATION VERSION WITH O-RING SEAL FOR THE GEA-TUCHENHAGEN WELDING SOCKET SYSTEM
- STAINLESS STEEL HOUSING IP69K
- MAINTENANCE-FREE, ELECTRODES CAN BE SHORTENED
- OPTION: WITH LEVEL MODULE NM OR NC1

DESCRIPTION

The conductive level sensors are mainly used to detect conductive threshold levels in liquids such as fruit juices, beer, milk, etc. with a minimum conductivity of 5 μ S.

The design and the corresponding welding socket ensure that the sensor is easy to clean for use in the food and pharmaceutical industry, etc. CIP- and SIP-suitability are guaranteed.

The non-corrosive materials used for the rod and the insulation, as well as the diameter of the rod, render the sensor suitable for use in corrosive media and high-vibration environments. The sensor can be shortened, which has a positive and practical effect on storage. The electrode is coated with HALAR, which means that the threshold level detection is also suitable for foaming media.

The level modules for installation in the head can be directly connected to the SPS

TECHNICAL DATA

Electrical connection	cable connection M16x1.5
	bipolar terminal (2.5 mm ²)
	optional: M12x1 connection plug
Type of protection	IP 67 according to EN 60529
Process connection	G 3/4 B with union nut and O-ring 11x4, EPDM for welding socket 1.4571
Electrode length	200, 500, 800, 1500 mm, can be shortened, other lengths on request
Operating temperature	max. 140 °C
Environmental temperature	-10...+60 °C
Operating pressure	max. 6 bar
Sensor rod	D = 11 mm
Coating	ECTFE (HALAR), \varnothing 0.7 mm, FDA approved

ACCESSORIES

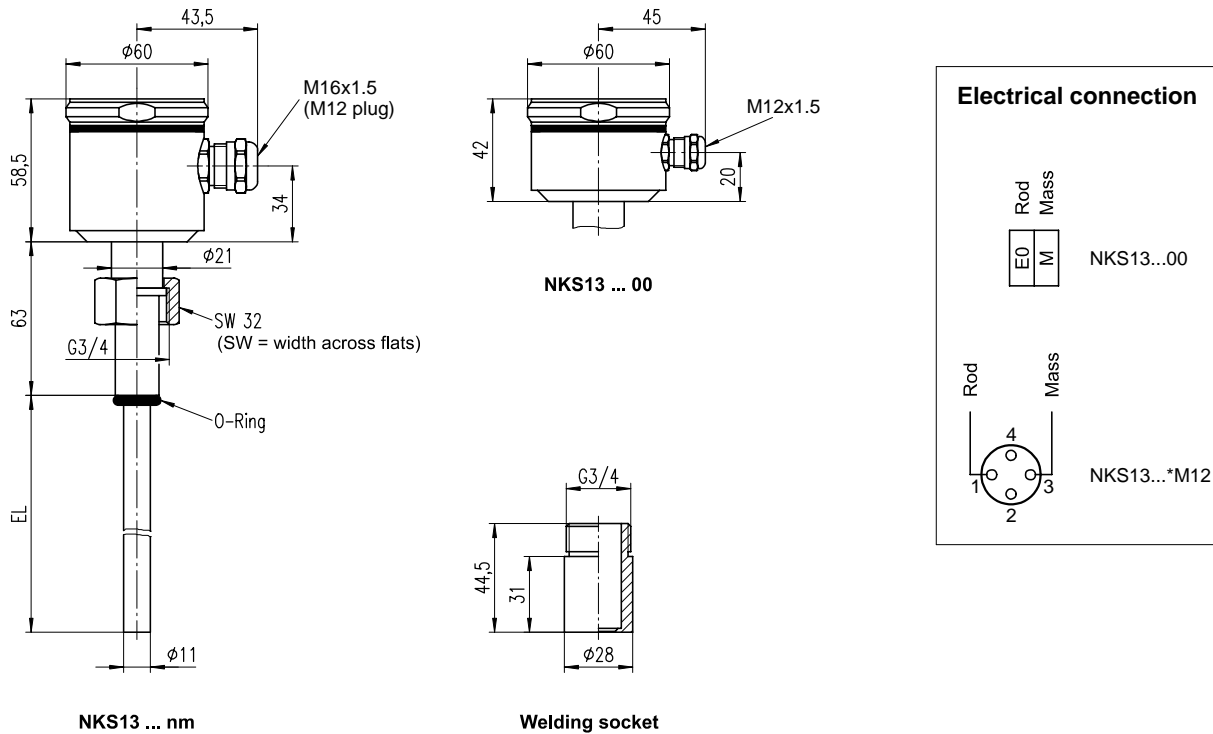
- Please quote separately when ordering -	
- electrode holder 316L	ZEM/NKS13
- level module NM, see separate data sheet	
- level module NC1, see separate data sheet	

INSTALLATION INSTRUCTIONS

- the wall of the tank or pipe must be made of metal
- when installing the sensor, only use the key surface, not the connection head
- the process connection thread of the sensor must have good electrical contact with the wall of the pipe/tank (do not use any insulating sealing materials!)

Conductive level sensor - Type NKS 13 -

DIMENSIONAL DRAWINGS



ORDERING INFORMATION (NKS 13)

00100	10 mm,	without coating
02000	200 mm,	without coating
05000	500 mm,	without coating
08000	800 mm,	without coating
10000	1000 mm,	without coating
15000	1500 mm,	without coating
02001	200 mm,	with coating
05001	500 mm,	with coating
08001	800 mm,	with coating
10001	1000 mm,	with coating
15001	1500 mm,	with coating

Output	
O	Terminal
NM	Level module nm installed, adjustable sensitivity
NC1	Level module NC1 installed, for product and foam detection, self-adjusting

Electrical connection	
O	Cable connection M 16 x 1.5
M	M 12 plug

NKS 13

Our products are constantly in further development, therefore subjects to modifications.