

Data sheet: HBX-DX-R & HBX-CR-R

The Rod Style Sensor has been a reliable choice for several years, providing consistent performance when installed correctly. Unlike other sensor types, this sensor measures the liquid inside the sensor element itself, not between the inner element and the pipe walls.

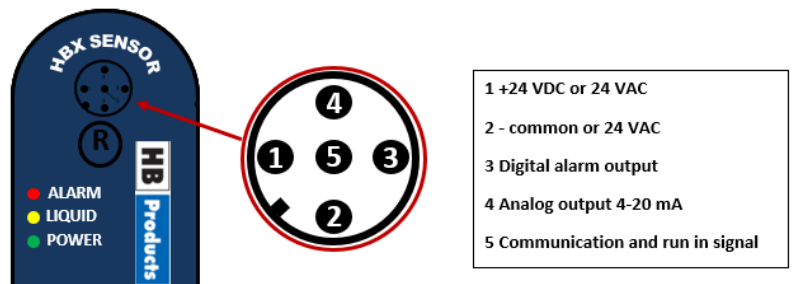
For DX applications it must be installed in an elbow - for overfeed systems it can be installed vertically bottom up.



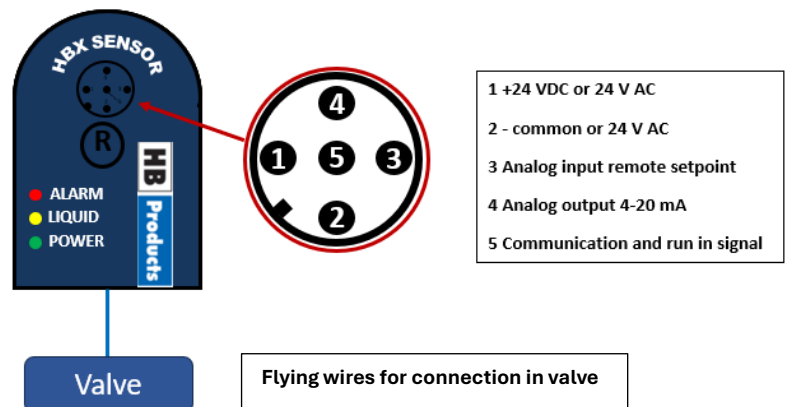
Power supply	
Voltage	24V AC/DC
Max. current	600 mA
Plug connection	M12, 5 pins – IEC 61076-2-101
Output	
Analog output	4-20 mA
Max. possible resistance	500Ω
Environmental conditions	
Ambient temperature	-30°C to 50°C (-22°F to 122°F)
Liquid temperature *Depending on the physical conditions of the liquid.	-55°C to 145°C (-67°F to 293°F)
Max. pressure	100 bar (1450 psi)
Protection degree	IP65
Vibrations	IEC 60068-2-6 (4g)
Mechanical specifications	
Thread connections	¾" and 1" NPT or BSPP
Size	See the dimensional drawing below
Material - mechanical part	AISI 304 / PTFE / PEEK / PA6
Material - electronic part	PA6
Cable specification (Power supply)	
Cable size	5 m - 5 x 0.34 mm ²
Cable glands	PG7 / M8
Cable resistance	500 Ohm/Km
Valve control (Option)	
Valve types supported	Modulating, PWM, Stepper motor
Approvals	
EMC test	EN 61000-2
Indication	
LED indication	Green, yellow & red LED
Configurations	
Configuration	HB Tool (Cable USB/M12 is an option)
Scope of supply	
Packages include	Electronic unit Mechanical part Supply cable with M12 plug

Electrical connections

For standard sensors with 4-20 mA output for PLC



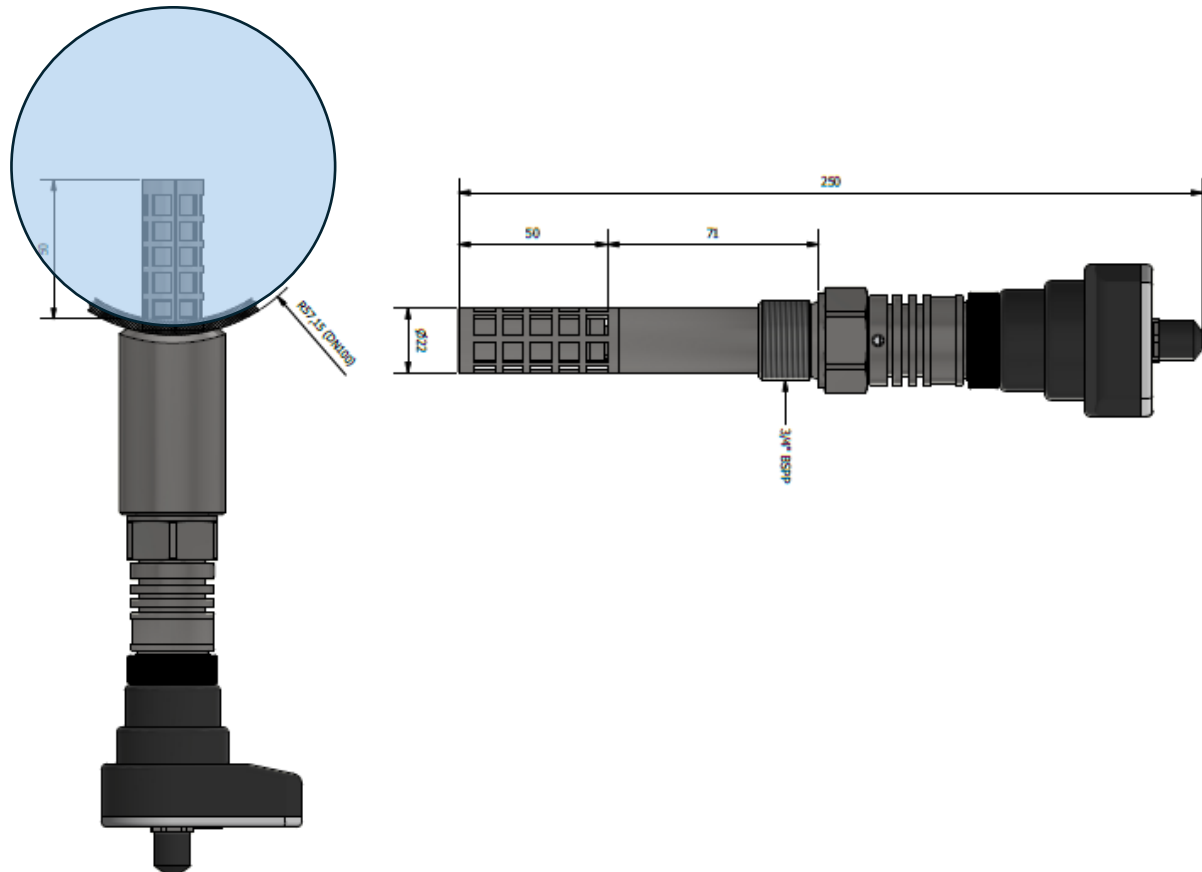
For sensors with direct valve control and 4-20 mA output for PLC



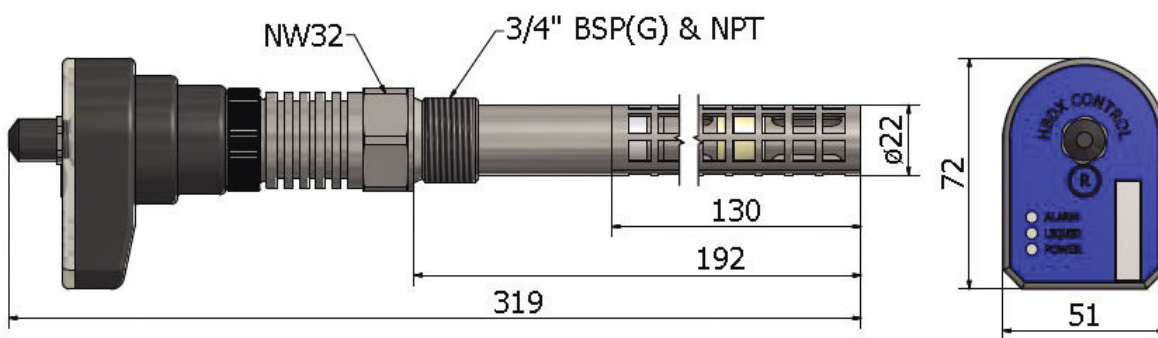
Dimensional drawings

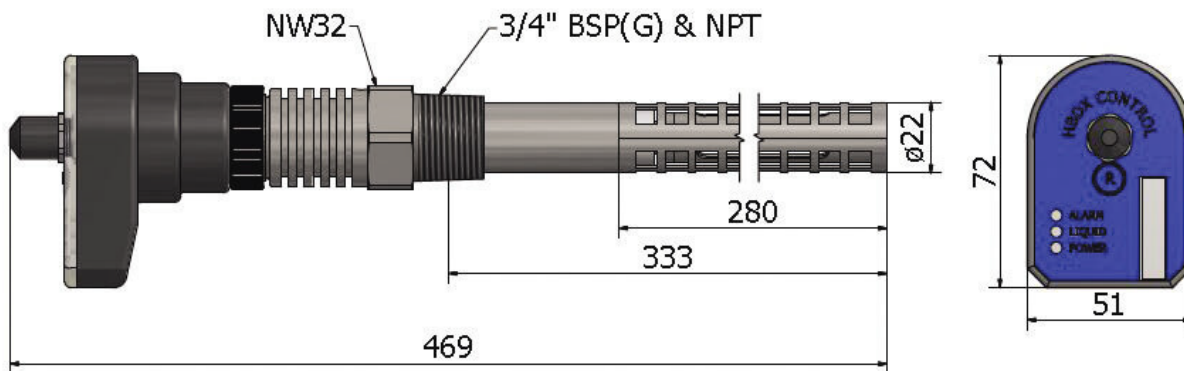
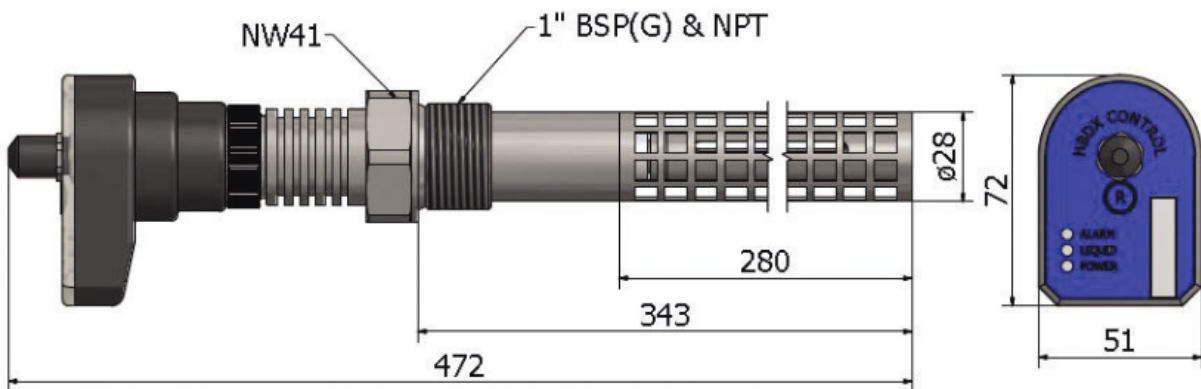
Short version for vertical installation 50 mm measuring length

For large suction pipe - with and without welding adapter



Short version 192 mm and 3/4" connection



Long version 343 mm and 3/4" connection**Long version 343 mm and 1" connection**

For any inquiries or further information, please don't hesitate to contact us at support@hbproducts.dk.

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