

Measure

HecoFill Probe & Level Controller NK411/NK412

The combination of HecoFill limit value probe and Level Controller (NK) for fail-safe control and monitoring of limit levels in the tank.



Level Controller (NK)

The combination of Level Controller (NK) and HecoFill limit value probe sets standards and offers a high degree of safety during the storage and transfer of hazardous liquids.

This is due to the fact that level controller and limit value probe form an Ex-intrinsically safe circuit, work in a fail-safe mode and can be universally supplied. The limit probe is approved for use in zone 0. The permanent self-surveillance with liquid-analogue remote check up to the probe tip ensures a reliable surveillance of liquid limit levels.

The devices and probes are ATEX-approved and meet the requirements of the KVV (CH) as special fill protections and of the WHG (D) as overflow protection.

Your Benefits

- ✓ High degree of safety by permanent self-monitoring
- ✓ Independent of medium, density, conductivity or temperature
- ✓ No calibration required
- ✓ Almost maintenance-free as there are no movable parts in the tank resp. probe
- ✓ Wide application range

Typical Applications

- ✓ Tanks / manholes
- ✓ Depots / collection trays
- ✓ Process technology

Technical Data - HecoFill Probe

Electrical connection	A - blue B - black C - green Probe connection via 3-pole probe cable 3 x 0.75 mm ² , blue that meets the following conditions: Wire diameter: ≥ 0.1 mm, test voltage: ≥ 500 V, insulation thickness: ≥ 0.2 mm
Device connection	Hectronic Controllers NK 311/312/313/411/412 (HecoFill HL and HH) Isolating switch amplifier (NAMUR) according to EN 60947-5-6
Probe circuit	Intrinsically safe [Ex ia Ga] IIC
Environmental temperature	EX: -20 °C to +60 °C/NON-EX: -30 °C to +80 °C

Technical Data - Level Controller NK

Supply network	20 to 253 VAC, 50 to 60 Hz, 2 W 22 to 253 VDC
Connection	Screw terminals, max. 2.5 mm ²
Environmental temperature	-25 °C to +60 °C
Environmental conditions	Use inside buildings Installation location up to 2,000 m altitude Relative humidity 25 to 95 % (non-condensing) Pollution degree 2 (according to EN 61010)
Carrier rail housing	Protection class: IP20 Material: ABS Dimensions: W 35 mm, H 100 mm, D 115 mm
Approvals	IECEX, ATEX, KVU, WHG

Variations

- HecoFill Limit Probe**
 Optoelectronic measuring principle for the surveillance of liquid limit levels in the tank
- HecoFill Leak Probe**
 Valuable for damage prevention: Detection of leaks in tanks, conduits or shafts
 For installation in tank rooms, collection trays for pipings or in dome shafts

Combine with



Mineo 2 Controller Touch



Mineo Controller Touch

