



Operating and instruction manual for level sensor type N17LMP

1 Description

The level sensors **HITH, HITHME**, **N17LMP** are pneumatic switches to prevent overfilling of the liquid in the compartment.

The low level sensor N17T is a pneumatic switch to scan the liquid height in the compartment and prevents that the compartment is not running dry. The sensor is installed in the bottom from the compartment, so that the sensor head shows down and the pipe rises into the liquid space.

2 Operating and installation

The level sensor N17 ... is a pneumatic switch for overfill protection in tanks with combustible liquids (see appendix) and for the application in the liquid and their gases capable of explosion or steams.

The sensor exist of a pipe with floater which is installed in the compartment in zone 0 and a valve which is installed outside of the compartment in zone 1.

The allowed surroundings pressure and temperature area with explosive atmosphere must be between 0.8 bar_{abs} to 1.1 bar_{abs} and -20°C to +60°C.

If the sensor is used out of these atmospheric conditions, the licensing serves as a guide. Then additional check is recommended for especially intended application terms.

3 Types and marking of level sensor N17...

level sensor (Niveausensor)

- pneumatic with test function, long N17LMP

Marking of level sensor N17K, N17L, N17T



Marking of level sensor N17KMP, N17LMP



II 1/2 G c IIB T5 Temperatur: -20°C<Ta<+60°C TÜV 05 ATEX 2707 Serien Nr.: 4 11 001 M Betriebsvorschrift Überfüllsicherung beachten!



Level sensor N17KMP



| Technical dates | |
|---|-----------------------------|
| operating pressure: pressureless | compartments |
| liquid: see | annex |
| adjustable: | 140 - 260 mm (190 - 350 mm) |
| accuracy: ±2 | mm |
| temperature: -20°C <ta<+60< td=""><td>С°</td></ta<+60<> | С° |
| pneumatic operating pressure: | 3 - 7,5 bar |