

## Application

Magnetic level indicators MIH are designed to measure level of liquids in storage tanks, including measuring in explosive environments. A bypass chamber is equipped with magnetic float. On the external side of the chamber is red/white magnetic roller display and optional BVC magnetic reed level sensor with continuous electric output and/or several limit switches.

## Functional description

- selectable measuring range
- local representation of level by roller display
- selectable BVC electrical continuous output
- selectable type of output signal
- optional limit bistable switches
- Exi version
- connection by two flanges by customer need

## Technical data

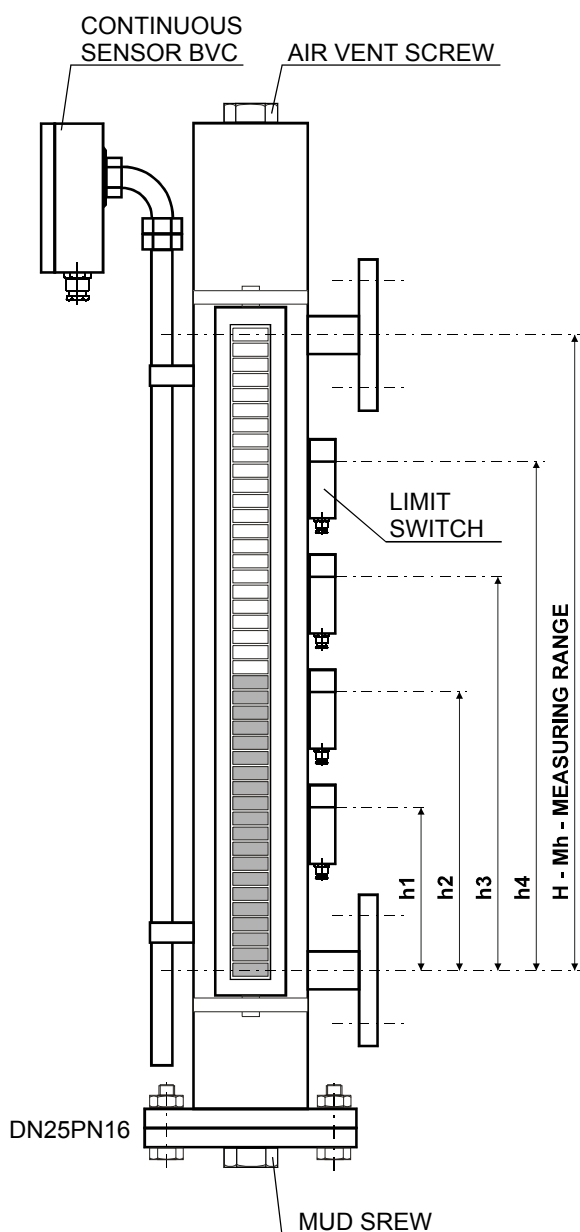
- measuring range up to 5800 mm
- local representation by magnetic roller display
- BVC magnetic reed spacing 7-10-20 mm
- output R/I 4-20 mA  
R/U 0-10 V
- optional bistable limit switches
- Ex version according to EU 94/9/ES ATEX
- material version SS
- floats for mass density of liquid from 0.7, to PN16
- standard connection - flange DN25PN16
- temp. of the measured liquid -30 to 350°C
- temp. at the measurement point -30 to 105°C
- housing protection IP65

## Certification

- EC declaration of conformity
- certification according to EU 94/9/ES ATEX
- ISO9001/2000



## Overall dimensions



### Specification table

MIH-	X	X.	X	X.	X	X		
	0						not equipped	only magnetic roller display - no electrical output
	2						head type	BVH120070 - BVC electric continual output
	9							according to the agreement
	0.						not equipped	only magnetic roller display - no electrical output
	1.						R07 (7mm)	magnetic reed spacing
	2.						R10 (10mm)	
	3.						R20 (20mm)	
		0					not equipped	
		9						according to the agreement
			3.				standard environment	standard environment version
				1			SS	material of wetted parts
				9				according to the agreement
					0		not equipped	only magnetic roller display - no electrical output
					1		combo	limit microswitches, 4 to 20 mA two wire
					2		combo	limit ms-common terminal, 4 to 20 mA two wire
					4		output signal	4 to 20 mA, two wire
					7		combo	2 bistable limit microswitches, 4 to 20 mA two wire
					8		combo	4 bistable limit microswitches, 4 to 20 mA two wire
					9			according to the agreement

Integral part of the order is also filled-in questionnaire available separately.

### Specification table for Ex version

MIH-	X	X.	X	X.	X	X	Ex	
	0							not equipped
	2							head type
	9							only magnetic roller display - no electrical output
								BVH120070 - BVC electric continual output
								according to the agreement
	0.							only magnetic roller display - no electrical output
	1.							magnetic reed spacing
	2.							
	3.							
		0						not equipped
		9						according to the agreement
			1.					zone 1
								Head version for zone 1 ( EExi built-in components are connected to external explosion proof equipment )
			2.					zone 2
								Head version for zone 2 ( EExi built-in components are connected to external explosion proof equipment )
				1				SS
								material of wetted parts
					0			not equipped
					1			combo
					2			combo
					4			output signal
					7			combo
					8			combo
					9			
								only magnetic roller display - no electrical output
								limit microswitches, 4 to 20 mA two wire
								limit ms-common terminal, 4 to 20 mA two wire
								4 to 20 mA, two wire
								2 bistable limit microswitches, 4 to 20 mA two wire
								4 bistable limit microswitches, 4 to 20 mA two wire
								according to the agreement

Integral part of the order is also filled-in questionnaire available separately.

### Schematic diagram

