

## EMCO Level Transmitter Type HS89

The EMCO level transmitter, based on the magnetic floating principle, is used for remote indication and liquid level control.

### Technical Features

Simple construction, high repeatability, and non sensitive to foam, conductance, pressure, and temperature.

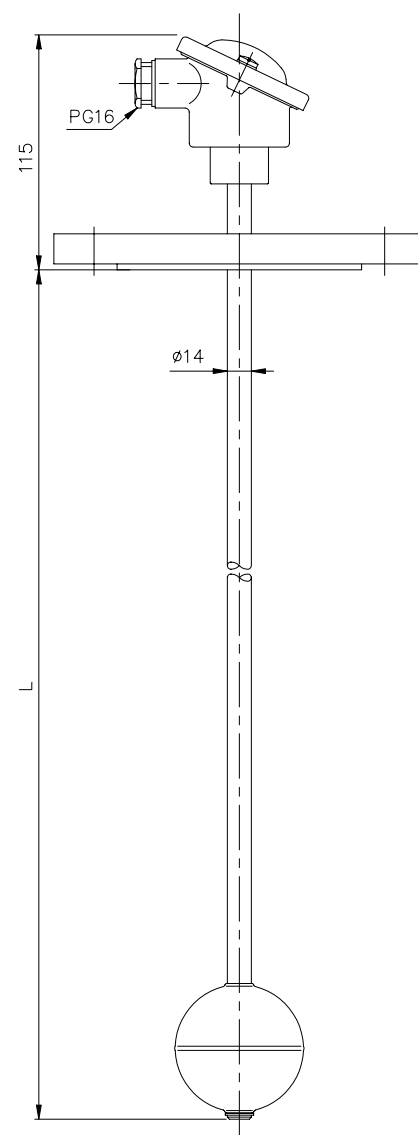
### Description

The HS89 Analogue Level Transmitter consists of the following main parts: Float with magnet, measuring tube, and mounting flange with electronics.

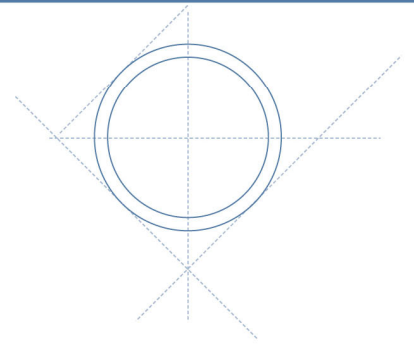
The measuring tube which is mounted on the top of the tank incorporates a number of resistors and reed switches.

A float with a permanent ring magnet moves on the outside of the measuring tube. When the level changes the magnet in the float will activate a reed switch which will connect a number of resistors, giving an ohmic value corresponding to the level.

In the connection head a R/I transmitter is mounted and converts the signal into a standard 4 - 20 mA.



0-01-002-2e



## Technical Data

Range	: 0 - 3000 mm
Output signal	: 4 - 20 mA, two-wire direct or inverted
Options	: galvanic isolated Ex version to Eex ia IIC, T4-6 HART® protocol
Power Supply	: 8,5 - 35 Vdc
Load limitation	: 700 Ohm, 24 Vdc
Enclosure	
alu. Housing	: IP 54
SS housing	: IP 65
Accuracy	: +/- 0,2 %
Linearity	: +/- 0,2 %
Hysteresis	: 10 mm
Wetted parts	: AISI 316
Mounting	: Top mounted
Connection	: Flange DN 65 or DN 80
Flange face	: acc. to DIN 2526 (flat face) or DIN 2512 form F
Pressure rating	: PN 16 - 40 (PN 100 as option)
Temperature, fluid	: -50 to +100 °C
Temperature, Ambient	: 20 to +80 °C
Transmitter	
Housing	: Die-cast alu., with polyester coating, or stainless steel
Electrical	
Connection	: PG 16

## Connection Diagram

