

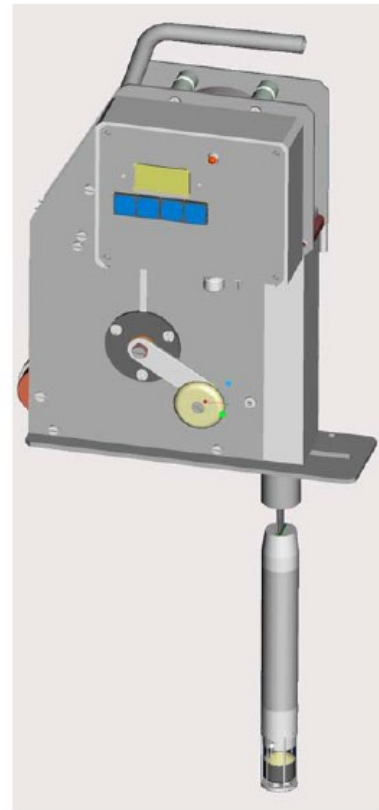
Portable Tank Level and Temperature Gauge

The type 810 portable level gauge of Weszta-T Ltd. is suitable for the following tasks:

- measuring of the liquid level from the upper flank of the tank (free area),
- measuring of the temperature in different heights,
- storing of the measuring data in non-volatile memory for downloading in a PC.

To ensure proper operation, the device contains a precision perforated measuring tape, a level and temperature sensor in a probe, attached to the end of the tape, and an electronics which processes, stores and displays the measurement data. When reaching the liquid surface, the device generates a light and optionally a sound signal.

The construction and operation of the device makes it possible for authentic settlement of accounts of inventory.



Technical Data

Type: 810-0-□ □ □ -□

Measured medium		Temperature sensor		Level measurement range		Computer connection possibility	
1	liquid	1	exist	1	0 – 5 m	1	exist
2	granule	2	not exist	2	0 – 10 m	2	not exist
				3	0 – 20 m		

Important technical characteristics

Measuring range

Level: 0 ... 5 m
0... 10 m optional
0... 20 m optional

Temperature -20°C - +60°C

Accuracy, max	Level:	± 1 mm
	Temperature	$\pm 0,25$ °C
Resolution:		0,5 mm
Environmental Temperature Range		-20 ... + 50°C
Protection		IP 44
Safety		EEx ia IIB T3;T4 1/2G
Storage temperature range		-30 ... + 70°C
Data transfer		serial, MODBUS RTU, RS 232
Power Supply (only the above types are suitable in case of explosion dangerous area)		Type VARTA 3722(T4) , VARTA 4022(T3), size 6F22, Zn-MnO ₂ (Alkaline) battery unit or Type VARTA HR 6F 22(T4,T3) NiMH rechargeable accu
Supply current		~ 15 mA daylight ~ 20 mA night
Dimensions		100x230x320 mm
Weight		~ 5 Kg
BKI approval number		04 ATEX 125 X
OMH approval number		Th-8263/3/2004