

C100

— WATER LEVEL INDICATORS AND STAFF GAUGES

PIEZOMETERS



WATER LEVEL INDICATORS AND STAFF GAUGES

Also called Water Level Meters or deepmeters, they are used for water ground level measurements in standpipes, wells and Casagrande piezometers. WLI is a battery powered portable device equipped with a dipping probe connected to a graduated flat cable wrapped on a cable reel. In contact with water the dipping probe activates either an audible alarm and a light indicator mounted on a cable reel faceplate.

The staff gauges are installed for a quick visual indication of the water surface level in reservoirs, rivers, streams and open channels. These environmentally rugged iron gauges are finished with porcelain enamel to ensure easy reading and resist rust or discoloration.

APPLICATIONS

- Casagrande and standpipe piezometers
- Water wells
- Water ground level measurement in landslides, tunnels, excavations and dams
- Water level indication in basins, lakes and canals

FEATURES

- Available aslo with water temperature probe
- Long life, inexpensive and compact
- Permanent and accurate cable markings
- Staff gauges available with special design for inclined installation or different marking colors



Meet the essential requirements of the EMC Directive 2014/30/UE

TECHNICAL SPECIFICATIONS

	MODEL C112T	MODEL C112
Application	Ground water level Ground water temperature	Ground water level
PROBE		
Diameter	16 mm (suitable for tube $\geq \frac{3}{4}$ ")	16 mm (suitable for tube $\geq \frac{3}{4}$ ")
Length	120 mm	120 mm
Material	Stainless steel and ABS	stainless steel and ABS
Weights	Zn - Al alloy, OD 12 mm	Zn - Al alloy, OD 12 mm
CABLE		
Type	tempered steel tape with nylon jacket	tempered steel tape with nylon jacket
Lenghts	50, 100 , 150, 200, 300 m	50, 100, 200, 300 m
Graduation	every millimeter	every millimeter
Colour	yellow with black/red marks	yellow with black/red marks
Width	10 mm	10 mm
REEL		
Material	heavy plastic plates and steel tubing stand, baked-on paint	heavy plastic plates and steel tubing stand, baked-on paint
BATTERY		
Type	2 x 9 V DC disposal	9 V DC disposal
TEMPERATURE PROBE		
Sensor type	IC 590 KH	
Measuring range	-55°C +80°C	
Resolution	0.1°C	
Accuracy	< 0.5°C	
Operating time	about 20 hours	

C112T model utilize a probe designed for both ground water temperature and level measurement. On the cable reel faceplate there are the on/off and level/temperature switch, the LCD display that show water temperature, light and buzz that switch on when probe touch ground water, and batteries case.



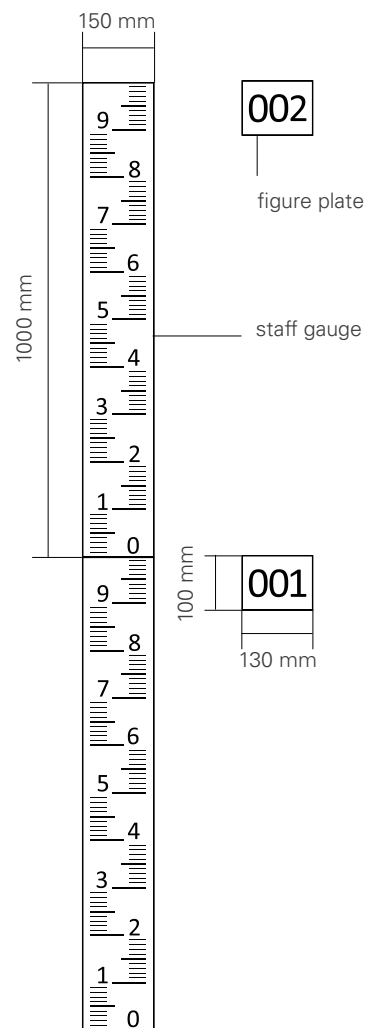
STAFF GAUGES

Staff gauges are used to have direct readings of water level in reservoirs, rivers and open channels. They consists of 1 meter long porcelain enameled hydrometric rod with centimeter graduation. Figure plates indicating the elevation are installed every meter. The rods can be assembled each other to obtain a staff gauge of the required length to cover the maximum water level range.

Each gauge has holes for easy fastening to walls, piers and other structures.

	STAFF GAUGE MODEL OHIDR1000S0
Description	Hydrometric rod 1 meter long, white background and black graphics. It is divided into centimeters with each decimeter numbered. Rods for any elevation may be assembled.
Material	Enamelled porcelain steel
Dimensions	1000 x 150 mm
Thickness	1,5 mm

	FIGURE PLATE MODEL OHIDR1310P0
Description	Number plate with 3 figures which represent elevation. The three black figures are printed on white porcelain enameled plate. Using a combination of these figures any elevation may be represented.
Material	Enamelled porcelain steel
Dimensions	100x 130 mm
Thickness	1,5 mm



CUSTOMIZED GAUGES

Customized gauges are designed on Client's request. Specially manufactured for inclined installation or with special colors and graphics.

Inclined staff gauges can be installed onto inclined surface such as upstream face of dams or concrete lined irrigation channels. Mounted flush on the sloped sides, these staff gauges give a direct reading of the vertical stage height.



ACCESSORIES AND SPARE PARTS

C112 PROBE SPARE SET OC112KITR00

Spare set including C112 probe components, weights and resin.

C112T PROBE SPARE SET OC112TKITR0

Spare set including C112T probe components, weights and resin.

CABLE GUIDE AND DATUM OC1REFH0800

It is a centering devices that ensures easy and consistent measurements .



Staff gauges installed on bridge pillar

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