

ASTAID – Hydrometric rod

(Rev.1 220124)



Description

The hydrometric rod enables level and flow measurements to be taken on watercourses, lakes and reservoirs or dams.

To guarantee robustness and durability in continuous contact with water and direct exposure to the sun, the hydrometric rod is made of sturdy sheet metal which is covered with a vitreous enamel coating which will not rust or fade. The impermeability of this water-resistant material therefore ensures a long service life even in installations in bright sunlight.

Our hydrometric rods are made in 1 meter modules so they are suitable to be installed in a continuous sequence, one after the other, to reach any length or depth you wish to measure.

Separately, plaques are made to indicate the metric level dimensions with numbering and dimensions as

requested by the customer (up to 4 digits). These plates are then applied to the end of each meter of the rod to indicate the height in meters (absolute or referred to sea level). The rod's graduated scale also provides the reading of the decimeters (indicated by the digit in tens from 00 to 90) and centimeters (indicated by the 1 cm thick black notches).

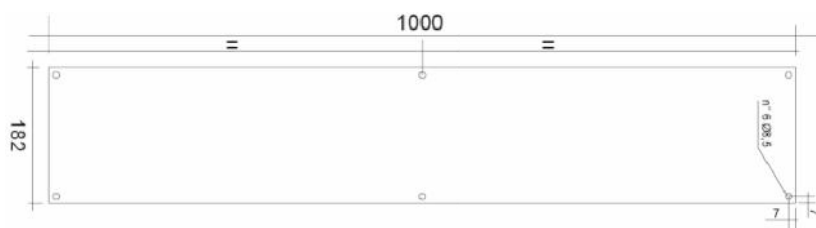
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Technical features

Model		ASTAID – Hydrometric rod	
Measurement range		Composable from 1m modules /ea.	
Principle of measurement		in sight	
Resolution		1cm	
Printed indications	)))	cm: black-coloured indentations of 1cm height alternating with 1cm white spaces dm: black lines every 10cm with coded indication of the tens of cm m: on a separate complementary plate with an indication of the metres expressed up to 4 digits	
Housing		Enamelled sheet metal	
Dimensions, weight		Hydrometric rod: 1000 x 182 x 5mm, 750g Metric plate: 90 x 120/150 x 5mm, 50/60g	
Mounting		Hydrometric rod: n.6 holes ø8,5mm (n.2 x every end + n.2 @center) Metric plate: n.4 holes ø8mm	
Technical note: If the rod is applied to a <u>straight, regular and vertical wall</u> , it can be mounted with expansion plugs using the mounting holes. If, on the other hand, there is no straight wall, additional brackets will have to be used, which will be tailored to the application			

Dimensions of the hydrometric rod and metric plate (mm)

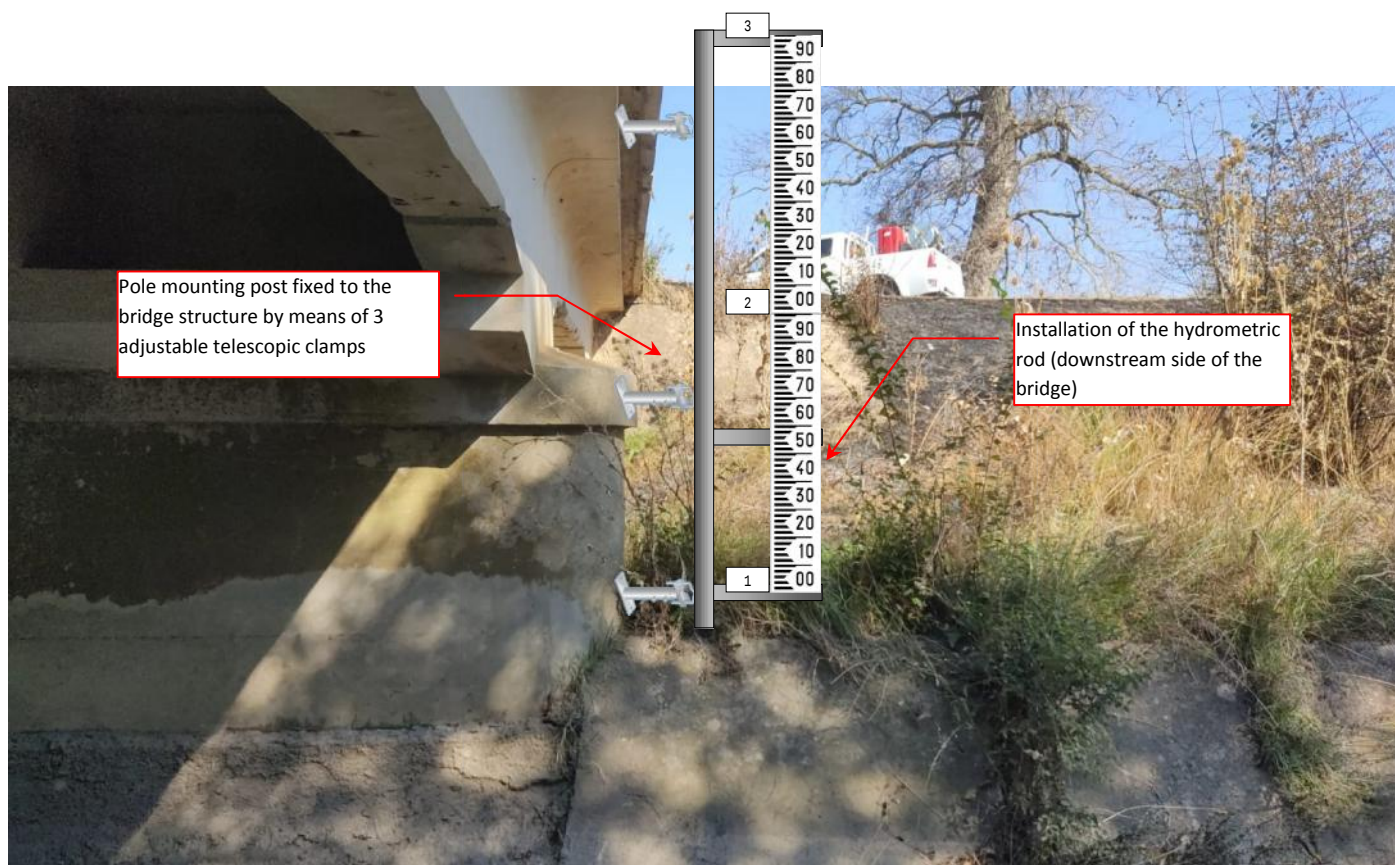


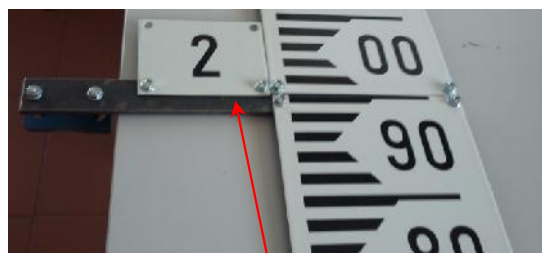
1) Example of mounting: hydrometric rod on straight vertical wall



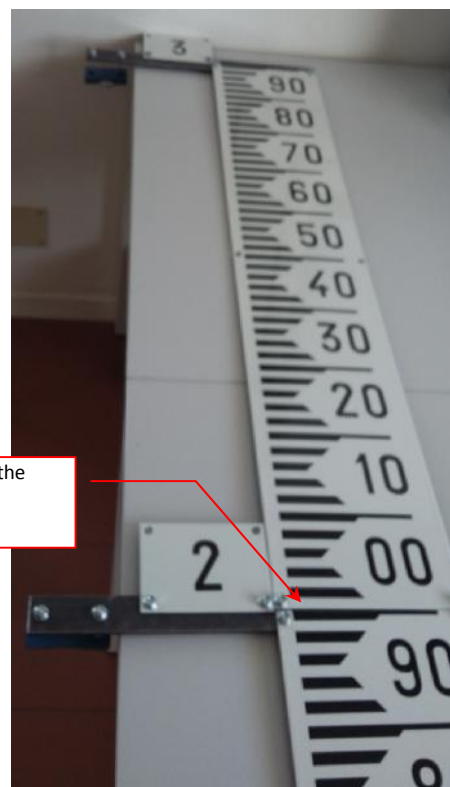
2) Example of mounting: hydrometric rod on irregular support pile of a bridge

The following picture shows an example of hydrometer rod installation on a bridge that has no straight walls and therefore requires a customized structure and mounting brackets.



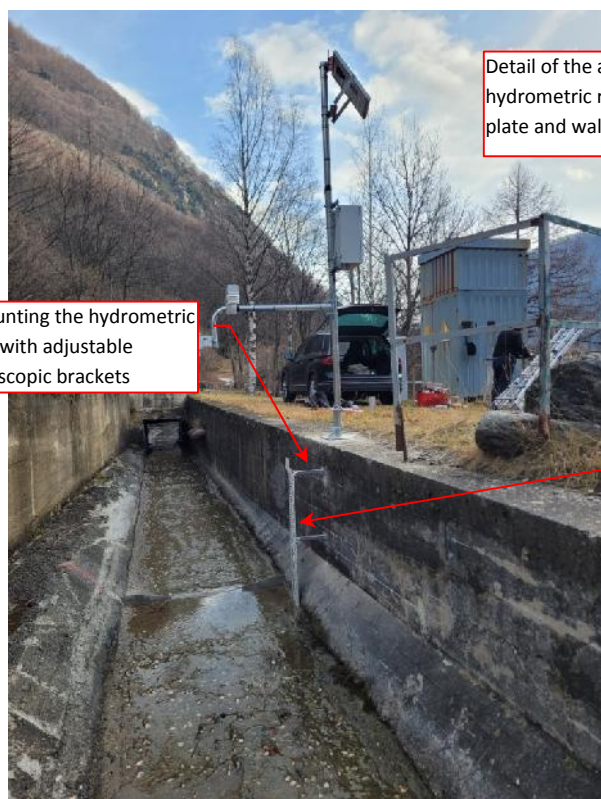


Mounting detail of the metric plate



How to assemble the hydrometric rod

3) Example of mounting: hydrometric rod on irregular bank of a watercourse



Mounting the hydrometric rod with adjustable telescopic brackets

Detail of the assembly of the hydrometric rod to the metric plate and wall mounting brackets

