



Digital Hook & Point Gauges - H1

H1-7 / H1-8 - Digital Hook & Point Gauges

A range of digital hook and point gauges which includes a liquid crystal display which indicates the movement of the gauging rod.

A push button sets the display to zero at any position, allowing the measurement of movement relative to a datum.

Description - Digital Hook & Point Gauges (H1-7, H1-8)

A mounting plate is clamped to a suitable support structure and a flat vertical shaft retained by the gauging unit is free to slide up and down over the water surface.

A steel point or hook is attached to the bottom end of the shaft and is used to locate the water surface.

The gauging unit consists of a liquid crystal electronic display which indicates the movements of the shaft.

A quick-release mechanism permits large changes to be rapidly accommodated, and a screw adjustment is provided for accurate final positioning.

A push button sets the display to zero at any position, so that relative movements compared with a datum can be easily measured.

This gauge is easy to use and minimises potential errors resulting from reading vernier scales.

Ordering Specification

- ▶ A direct indicating gauge which eliminates observation errors due to vernier and scale reading.
- ▶ Can be set to zero anywhere in the operating range to permit easy relative level checking.
- ▶ The liquid crystal display is easy to read and has a resolution of $\pm 0.01\text{mm}$.
- ▶ A push button gives immediate change to inches from millimetres if required.
- ▶ A quick-release mechanism permits rapid changes of position.

Overall dimensions

H1-7 (300mm):

Length	450mm
Width	75mm
Height	40mm

H1-8 (500mm):

Length	650mm
Width	75mm
Height	40mm

Packed and crated shipping specifications

Product	Volume	Gross Weight
H1-7 (300mm):	0.01 m ³	2kg
H1-8 (500mm):	0.02 m ³	2.5kg

Demonstration Capabilities

- ▶ Measurement of steady state of water with digital display

HT1 Accessories

- ▶ H1-11: Adjustable Tripod stand with mountings

Technical specifications

Ranges:	H1-7: 300mm H1-8: 500mm
Resolution:	$\pm 0.01\text{mm}$
Typical accuracy:	$\pm 0.03\text{mm}$
Repeatability:	$\pm 0.01\text{mm}$
Operating temperature range:	5°C to 40°C

The gauge is powered continuously by a small cell battery with a life in excess of 6 months.
(No 'on/off' switch improves reliability)



Ordering codes

- ▶ H1-7
- ▶ H1-8