



## AWP-24 Wave Height Gauge

Less time Calibrating, More time measuring

### Product Description

The AWP-24 Wave Height Gauge from Akamina Technologies is a reliable and highly linear and accurate instrument for the measurement of wave heights and water levels.

It combines temperature stable electronics and a high quality probe head. This results in extremely small calibration slope changes over temperature, making frequent calibrations redundant.

AWP-24 is the only wave height gauge that measures wave heights (capacitance) using purely digital techniques, with no energy discharge in water and no interference with the adjacent

### Applications

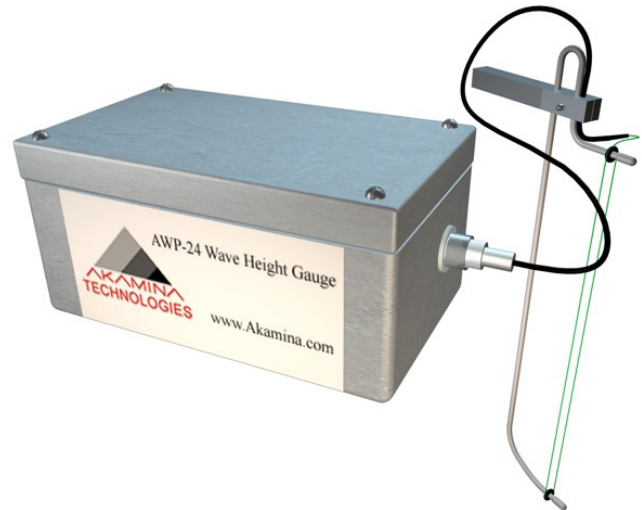
- Monitoring waves in hydraulic models and ship tanks
- Measuring water level changes from sub-millimeter to meters
- Ideally suited for measuring multidirectional waves and water surface geometry

### Product Features

- Save time and money performing less frequent calibrations, thanks to temperature stable electronics and probe head
- Guaranteed linearity and accuracy over wide range of water temperature and ambient temperature
- Use multiple probes in close proximity in water without any interference with other probes or instrumentation
- Measures capacitance digitally with no energy discharge in water
- Low power consumption and fast response time
- Designed to operate in both fresh water and salt water
- Filtered analogue signal output for data capture
- Weatherproof enclosure

### To learn more please contact us

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[www.akamina.com](http://www.akamina.com)



### Specifications

<b>Linearity:</b>	<b>0.15% of Full Scale</b>
<b>Accuracy:</b>	<b>0.15% of Full Scale</b>
Air temperature coefficient:	0.03% of Full Scale/°C
Water temperature coefficient:	0.03% of Full Scale/°C
Operating temperature:	-10°C to 50°C
Measurement update rate:	200Hz
Output signal:	-5Vdc to +5Vdc
Power supply:	8Vdc to 20Vdc
Power consumption:	21mA at 10V
Enclosure dimensions (L W H):	125 x 80 x 58 mm
Standard Probe lengths:	30, 60, 100, 150, 200 cm*

\* Custom probe lengths and single strand configurations are available upon request

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## Akamina Wave Probe Heads

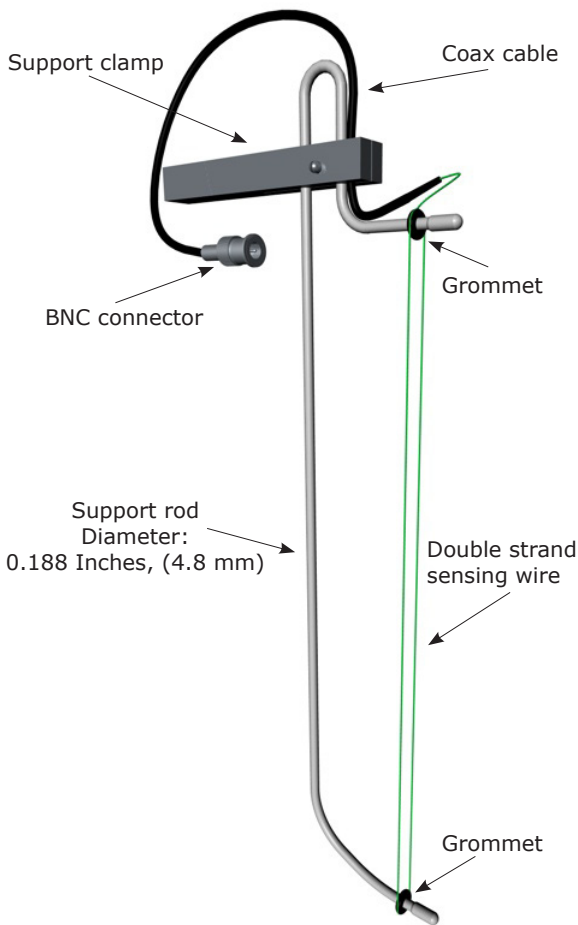
Industry Leading Accuracy and Linearity

The wave probe head is the part of the Akamina wave height gauge system that is partially submerged in water to measure wave heights or water levels. Akamina offers different types of wave probe heads to suit your application and wave height requirements. Akamina's Wave Probe Heads are designed to work with the AWP-24 and AWP-300 Wave Height Gauges.

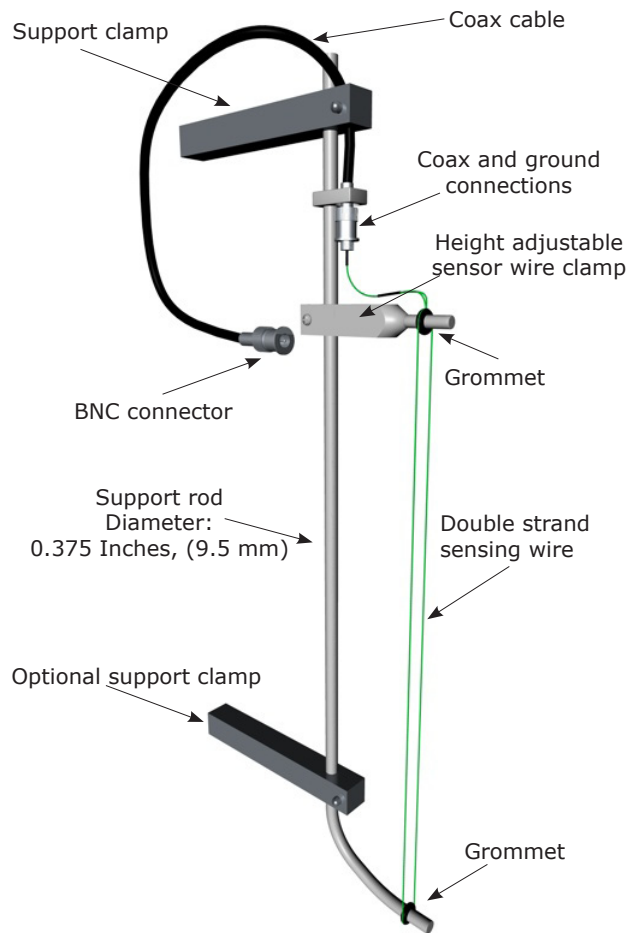
All wave height gauges are built with high quality materials that guarantee accurate and continued operation without the need for frequent calibrations due to air and water temperature fluctuations.

- Custom designed, easy to use hard anodized aluminium clamps
- Stainless steel support rods
- Height adjustable sensor wire clamp on 100, 150, 200 cm probes
- Custom lengths and single strand configurations available

### Lengths: 30, 60 cm



### Lengths: 100, 150, 200 cm



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