



## AWP-24-2 Wave Height Gauge

With One-Button Configuration

Less Time Calibrating, More Time Measuring

### Product Description

The AWP-24-2 capacitive Wave Height Gauge from Akamina Technologies is a reliable and highly 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-24-2 is the only wave height gauge that measures wave heights using purely digital techniques, with no energy discharge in water and no interference with the adjacent probes.

### Applications

- Monitoring waves in 3-D hydraulic models, wave flumes, towing tanks, and Active Wave Absorption systems
- Ideally suited for measuring multidirectional waves and water surface geometry
- Can be used indoor and outdoor thanks to weatherproof enclosure

### Product Features

- **No dials to turn or jumpers to set. Configure and start measuring with the push of a single button**
- 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
- Measuring water level changes from sub-millimeter to meters
- Use multiple probes in close proximity in water without any interference with other probes or instrumentation
- Measures wave heights digitally with no energy discharge in water
- Designed to operate in both fresh water and salt water
- Filtered analogue output signal for data capture

### To learn more please contact us

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### 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 filter frequency:	40Hz
Output signal:	-5Vdc to +5Vdc
Power supply:	8Vdc to 24Vdc maximum
Power consumption:	16 mA (average)
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



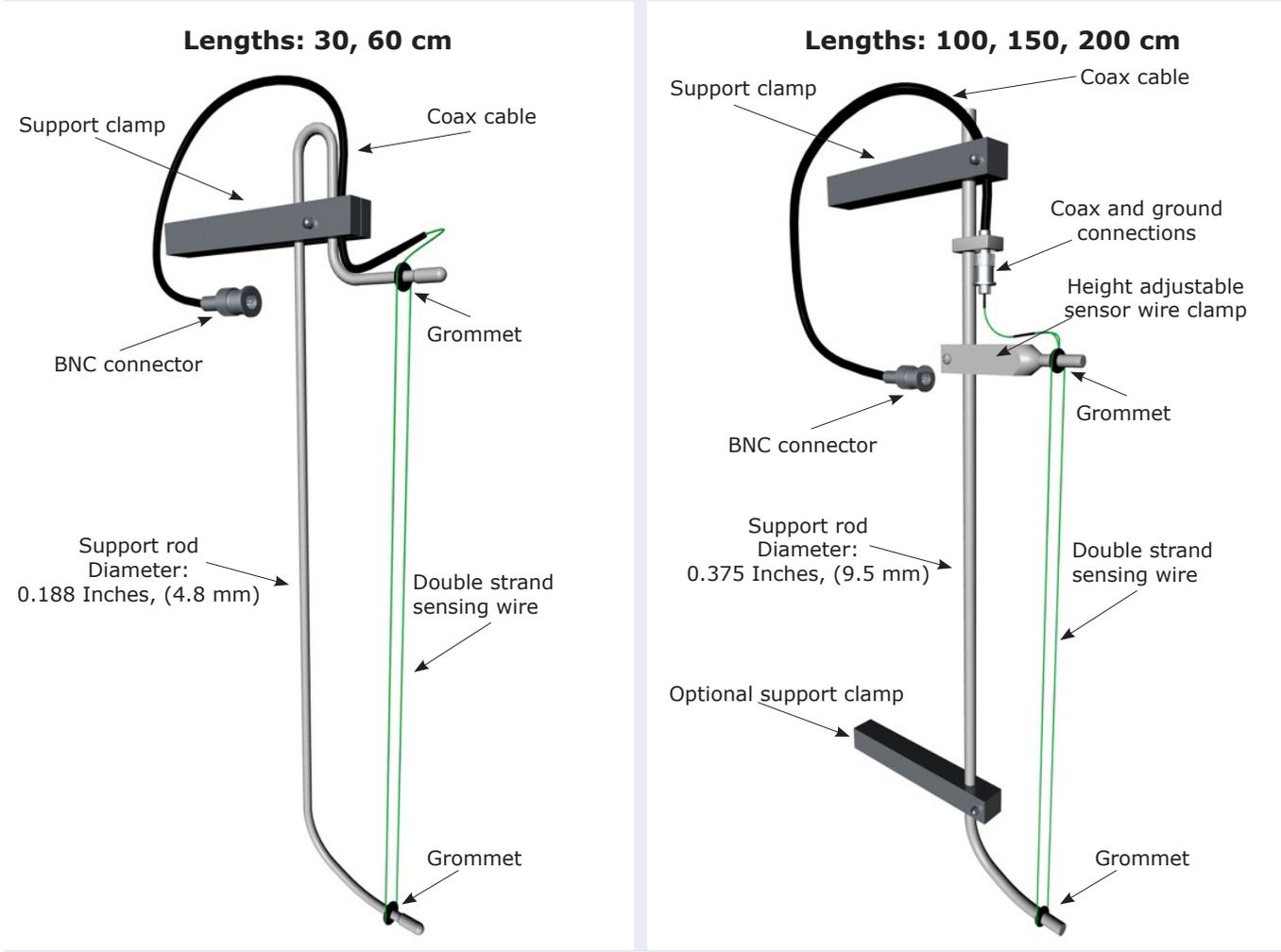
## Akamina Wave Probe Heads

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-24-2 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



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