



AWP-24-3 Wave Height Gauge

With Option to Mount, Push-Button and LEDs Externally

Product Description

The AWP-24-3 is the next in our AWP-24 Series of capacitance wave height gauges. As with all AWP-24s, the AWP-24-3 is ideally suited for indoor and outdoor applications **where high accuracy water level measurement is required.**

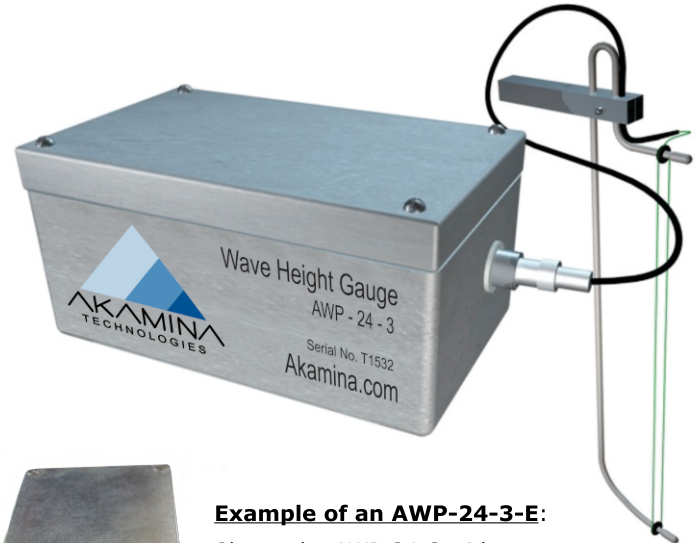
The AWP-24-3 has all of the advanced features of the AWP-24-2 with the option of an externally mounted push-button and LEDs. The push-button and LEDs allow the gauge to be configured without opening the enclosure.

Applications

- Monitoring waves in 3-D hydraulic models, wave flumes, towing tanks
- Measuring multidirectional waves and water surface geometry
- Providing wave height feedback for active wave absorption systems
- Wave measurements indoors or outdoors in fresh or salt water
- **Anywhere where high accuracy and ease of use are important**

Product Features

- No electrical interference with other gauges or instrumentation
- Measures capacitance digitally with no energy discharge into the water
- Highly linear (0.15% over the measurement range)
- Fast response time (a new sample is available every 5 ms.)
- Low power consumption
- Highly responsive measure of depth changes from sub-millimeter to meters
- Guaranteed linearity and accuracy over wide range of water and ambient temperatures
- Less frequent calibrations required due to temperature stable electronics and probe head
- Can be used in both fresh water and salt water
- Rugged, die-cast aluminium, weatherproof enclosure
- Filtered analogue output signal for data capture



Example of an AWP-24-3-E:

Shows the AWP-24-3 with:

- Push-Button with integrated Status LED (red)
 - Power LED (green)
- all mounted externally.

Specifications

Linearity:	0.15% of Full Scale
Accuracy:	0.15% of Full Scale
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:	40 Hz
Output signal:	-5Vdc to +5Vdc
Power supply:	8Vdc to 24Vdc
Power consumption (average):	15 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

www.akamina.com

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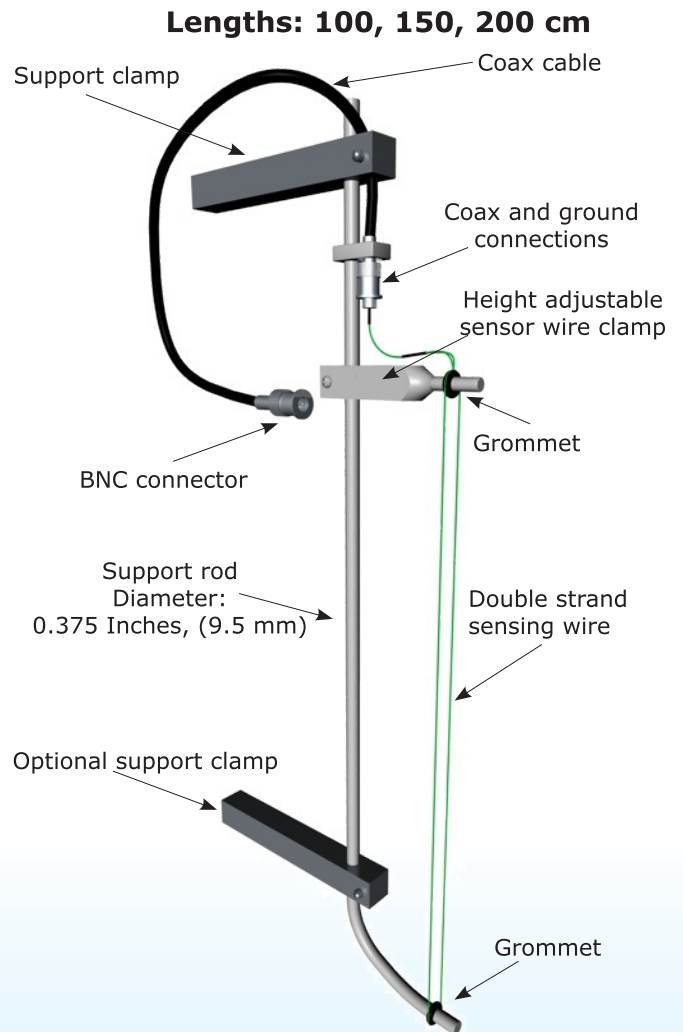
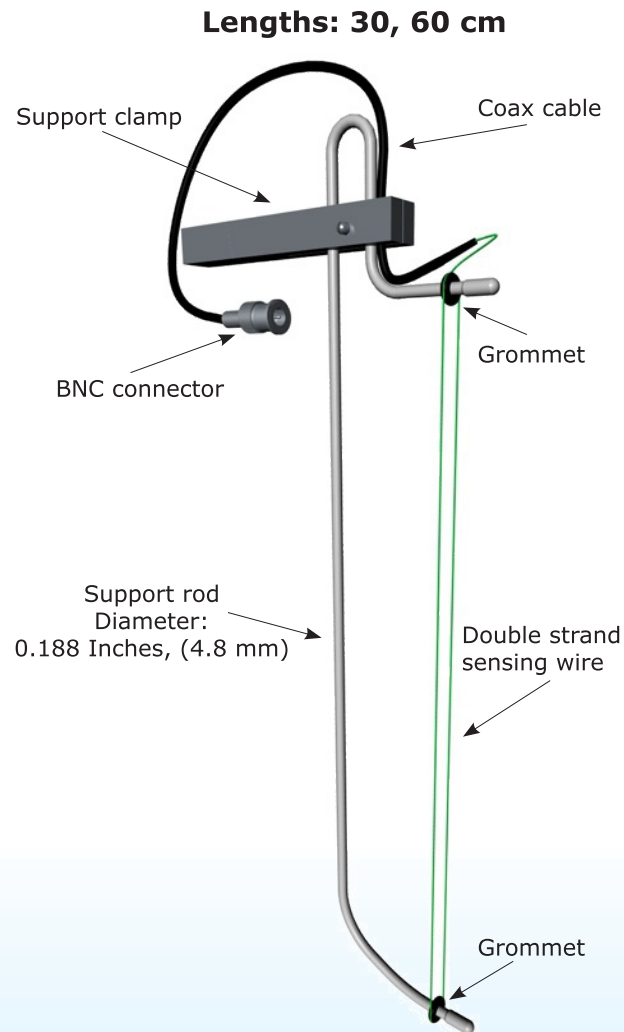
Akamina Wave Probe Heads

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



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