



D-2 Incorporated

Precision Industrial Sensors

Hydro-Light JF-WA1

ASTM-D3240 Listed

Free Water Measurement in Aviation Fuel (0-50 PPM)



D-2 Inc. is pleased to introduce the Hydro-Light JF-WA1 Water Pad Tester. This device revolutionizes testing free water in aviation fuel. The Hydro-Light provides results efficiently with an easy one step measurement process. Just put the pad in the slide, put the slide in the machine and read the digital display, which displays the free water content of the fuel up to 50 PPM. This box is used to run ASTM Test Method D-3240. The Hydro-Light greatly improves the accuracy and reliability of the ASTM D3240 test method.

Benefits of the JF-WA1 Hydro-Light

- ✚ No User Training Required
- ✚ Simplicity, just put the pad in the slide, put the slide in the box and read the number, no manually adjusting the reading
- ✚ Extremely durable, easy to use design is suited to small lab environments or field use.
- ✚ Increased Accuracy, +/- 0.5 PPM Accuracy
- ✚ Digital Readout in PPM within 3 seconds
- ✚ Can be powered through USB Port, allowing use of portable USB batteries for use in field
- ✚ Uses an LED Light, which eliminates the need for replacements
- ✚ No Battery replacements, one power source for entire device
- ✚ No User Calibration Required
- ✚ The Hydro-Light also comes with a high and low standard verification shuttle, allows field verification of calibration within ten seconds.
- ✚ Highest Precision for any instrument listed in ASTM Test Method D3240.
- ✚ Worldwide Support from an ISO 9001:2008 Certified Precision Industrial Sensor Manufacturer, specializing in Fuel Measurement.

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Hydro-Light JF-WA1 Specifications

Electronic Specifications

Measurement Technology	LED source amplified photodiode receiver, microprocessor controlled, all solid state electronics
Readout	LCD: Calibration Status and PPM Pad Reading
Time to Reading	3 seconds from shuttle input, updated each 3 seconds thereafter
Range	0-50 ppm
Precision**	+/- 0.5 PPM
Resolution	0.1 ppm
Calibration	Annual – Factory – ASTM Requirement
Warm-up	1 minutes from initial power-up
Power	100 – 240 VAC 50/60 Hz 0.6A (Input) (Wall Brick) USB
Environmental	Operating 10° – 35° C 80% Maximum Relative Humidity Without Condensation Storage -20° – 80° C Non Condensation ***

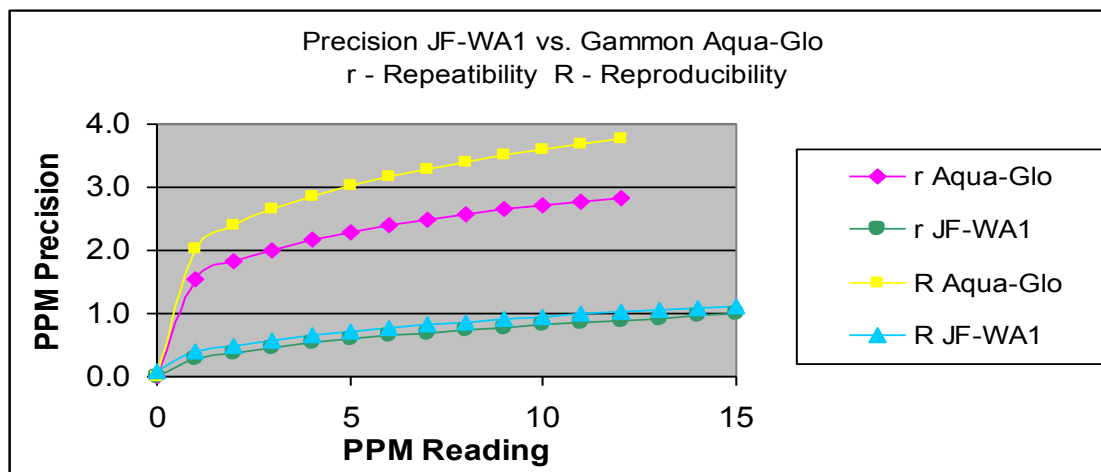
** Electronics specifications - overall measurement precision and repeatability per ASTM D3240

**ASTM D3240 - JF-WA1- Listed

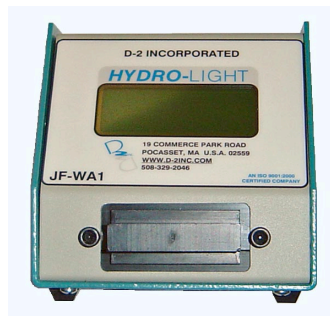
*** The JF-WA1 is a precision optical measurement instrument and should be allowed to equalize with the intended laboratory environment prior to use.

Pad Specifications

Pad Type	25mm Pad with Fluorescein Dye
Chemical Range	Limited by Test Pad (See ASTM RR-1156)



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JF-WA1
Hydro-Light
Pad & Slide



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