



D-2 Incorporated

Precision Industrial Sensors

Hydro-Light JF-WA1 ASTM-D3240 Test Method

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



D-2 Incorporated is pleased to introduce the new 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 (Certification Pending).

New Features of the Hydro-Light

- ✚ No User Calibration Required (Analog Units require daily calibration)
- ✚ Uses an LED Light that will not burn out (eliminates UV Bulb replacements), no need to turn off the device when not being used.
- ✚ Increased Accuracy, +/- 0.5 PPM Accuracy
- ✚ Digital Readout in PPM within 3 seconds (Eliminates the User Error associated with adjusting the Analog Readouts)
- ✚ No User Training Required (Analog requires user training to operate)
- ✚ Simplicity, just put the pad in the slide, put the slide in the box and read the number, no manual reading adjustment needed
- ✚ No Battery replacements
- ✚ Worldwide Support from an ISO 9001:2008 Certified Precision Industrial Sensor Manufacturer, specializing in Fuel Measurement.
- ✚ Extremely durable, easy to use design is suited to small lab environments.
- ✚ Comes with an easy to use laminated guide, no operator training required.
- ✚ The Hydro-Light also comes with a standard verification pad, so you can verify the unit's operation at any time.

**19 Commerce Park Road
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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: Internal Test Messages, 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
Warm-up	1 minutes from initial power-up
Power	100 – 240 VAC 50/60 Hz 0.6A (Input) (Wall Brick)
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- not yet 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	“Free Water Detection Pad for use in Aqua@Glo Water Detector Kit P/N GTP-25”
Pad Source	Gammontech Technical Products 2300 Highway 34 Manasquan, NJ 08736 www.gammontech.com
Chemical Range	Limited by Test Pad (See ASTM RR-1156)



Front of Hydro-Light



Inserting the Water Pad into the Pad Holder with Tweezers.

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