QH FLUIDMONITOR™ GREENLIGHT
FLUID MONITOR

QH FLUIDMONITOR™ GREENLIGHT is a completely self-contained measurement system which sets the new standard for continuous concentration monitoring of metalworking fluids. The modular design includes a sensor housing and flow-through adapter with two push-to-connect fluid ports.

The sensor housing and integrated flow-through adapter are detachable for easy cleaning or maintenance with just a quarter-turn. Red, yellow, and green lights illuminate to indicate if fluid concentration is within specified programmable process parameters. Patented sensor is up to 1000 times more accurate than a typical handheld refractometer.

Benefits

- Continuous, effortless metalworking fluid quality control
- Uniform concentration control means longer tool life
- Reduced metalworking fluid costs
- Reduced manpower for lab testing and concentration control
- Fewer sump side additives
- Reduced maintenance costs, increased process up-time
- Minimized waste treatment

Simple Setup

1. Run a length of tubing from clean supply metalworking fluid header to the push-to-connect input port on the flow-through adapter.

2. Next, run another length of tubing from the outlet port back to the metalworking fluid sump or trough.

3. Supply power to unit (24 VDC or 110 VAC with optional adaptor), push the power button, and the unit is now in operation. Lights on the front panel of the sensor illuminate based on your programmed settings.

4. A one-time connection between the sensor and any Windows computer allows you to set or change the red, yellow, and green light limit points. Software included.

5. The unit requires almost zero maintenance. The sensor has a sapphire lens that is easy to clean and extremely scratch resistant.

Options

QH FLUIDTREND™ – Cloud based data solutions

*Cloud based data solutions available. Additional hardware and subscription / licensing is necessary.

Properties

PROPERTY	VALUE
Power	24 VDC, 1.0 A, or 110 VAC 1.0 A with optional adaptor
Displays	Basic red, yellow, green alarm LED lights
Sensor	Sapphire lens; 1024 pixel resolution; Minimal tramp oil interference
Refractive Index Range	0-35 Brix equivalent
Resolution	0.1 Brix equivalent
Precision	+/- 0.3 Brix
Temperature Range	5-40°C (41-104°F)
Pressure Range	0-2.5 Bar (0-36 psi)
Dimensions (L x W x H)	8.2" x 4.7" x 3.1" (208.3 mm x 119.4 mm x 78.7 mm)
Weight	1.3 lbs. (590 grams)
Water Resistance	IP64 (NEMA 3) – Protected from total dust ingress and water splashing from any direction
Fluid Input/Output Connections:	5/16" (8 mm) Push-to-Connect
Availability	1-2 Weeks

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