TECHNICAL DATA SHEET

QH FLUIDCONTROL™ 100

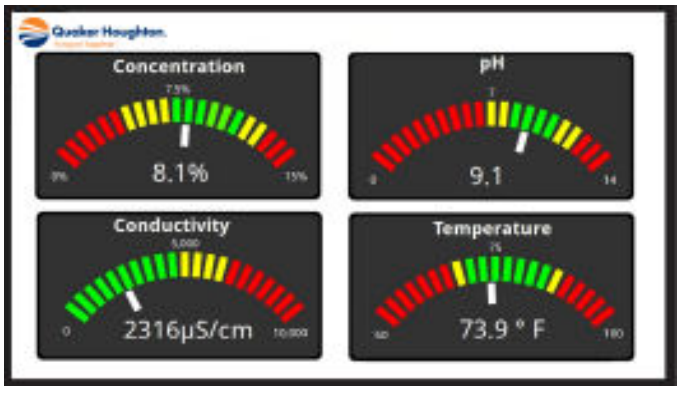
FLUID MONITOR AND CONTROL SYSTEM

QH FLUIDCONTROL™ 100 is completely self-contained and represents a new standard in metalworking fluid property measurement and control. This Quaker Houghton engineered system:

- Measures fluid pH, conductivity, concentration via refractive index and temperature
- Has recordable and downloadable measurements to enable metalworking fluid analysis, preventative maintenance and performance optimization
- Provides automatic concentration control capability by independently controlling six separate programmable relay outputs for additions of water, fluid concentrates or additives. These relays can be programmed to turn on and off water valves or pumps

Applications

QH FLUIDCONTROL™ 100 can be used to monitor and control water miscible metalworking fluids including metal removal fluids, aqueous quenchants, water glycol hydraulic fluids and water based offshore fluids. It is also recommended for use to support field trials.



Benefits

- Metalworking fluid quality control
- Reduced metalworking fluid costs
- Reduced manpower for lab testing and concentration control
- Fewer sump side additives
- Reduced maintenance costs
- Minimized waste treatment

Features and Specifications

PROPERTY	VALUE
Power	100-240 VAC; 5-60 Hz. Feed at 13A maximum
Measures	Up to 4 inputs; Photo shows: pH, Conductivity, Concentration by Refractive Index and Temperature
Displays	4 inputs continuous: pH, Conductivity, Refractive Index, and Temperature; Graphing each up to 90 days; Touch screen programmable and password protected
Range	pH 0 - 14; Conductivity 0-10,000 µS/cm; Refractive Index 0-33.5 Brix; Temperature 0-70°C (32-130°F)
Control	Up to 6 separate outputs; 3 powered relays; 3 dry contact relays (1A each, or 6A one relay); Fully programmable high and low set points; pulse timing; manual override is time limited
Data Storage	90 days per input
Output	Downloadable to a thumb drive; Reads direct on Excel spread sheet; Plus 6 outputs from any of the inputs; Ethernet output
Cabinet	NEMA 4X; Lockable; 24"x 24"x 10
Weight	70 pounds; 32 Kg
Availability	4-6 weeks

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Simple Setup

1. Supply power to unit (120 VAC, 50-60 HZ, 1 PH).
2. Connect fluid feed from a pressurized source via 1/2" pipe connection, and return fluid via 1/2" pipe connection to the source.
3. Identify what you want to add to the system such as water (via control valves) or fluid concentrate (fluid proportioner or pump) that are controlled by any one of 6 relays.
4. Program controller using built in touch screen display.
5. Your system is set-up and ready to go.

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