

Electronic Precision Metering Pumps

“Control Freak” Touch-screen Controller

Provides optimum motor speed control based on your desired flow and pressure ratings.

The exclusive new “Control Freak” electronic controller provides motor speed control for Hydra-Cell Metering Solutions pumps (or Hydra-Cell bare shaft pumps) with an easy-to-use touch-screen display.

You can enter the desired flow rate or volume in litres or gallons and system pressure in bar or psi, and the controller automatically runs the pump manually at desired flow rate or volume total/time, or in pre-set batches.

Versatile electronic controller allows programming for flow rate or totalisation. (Shown with start-up menu options.)



The “Control Freak” electronic controller is designed exclusively for Hydra-Cell Metering Solutions pumps.

“Control Freak” Touch-screen Controller for Metering

Performance Features

- Features 0.37kW Variable Frequency Drive (VFD)
- Pre-set (with password protection) for Hydra-Cell pump performance algorithms - can also be field-calibrated for greater accuracy
- 7” color graphic touch-screen user interface in an IP enclosure - easy to operate and visible in low-light areas
- Safety features for emergency stop, loss of power and fault monitoring
- Pump-drive information screen
- Four configurable on-off relays
- Ten separate batch set-up screens
- Two user-configurable analog input displays
- Analog and digital I/O for interfacing with external devices
- Includes real-time clock
- Versatile - enables programming for flow rate or totalisation.

Options

- Ball-mount assembly for touch screen
- VFD enclosure
- Additional cables
- Higher kilowatt VFDs
- Oil temperature probe kit
- Option available to control up to six (6) pumps with one Hydra-Cell Control Freak screen - requires additional VFDs and I/O modules



Opening screen - touch to activate.



Start-up menu options.



Sample menu for batch operation.



“Control Freak” can also be used for controlling motor speed with Hydra-Cell bare shaft pumps used for metering.

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