

MATElec AUSTRALIA AND MULTITRODE PUMP CONTROLLER COMPARISON

With the MultiTrode range now discontinued, it's time to explore reliable and future-ready alternatives.

At MATElec Australia, we offer a full suite of pump controllers and monitoring solutions engineered to match or exceed the performance of legacy MultiTrode products. This comparison chart highlights our equivalent products, helping you transition smoothly while gaining the benefits

of modern design, scalability, and seamless integration with telemetry, SCADA, and IoT platforms.

In addition to our standard range of pump controllers, we specialise in designing and manufacturing control and automation solutions to suit almost any project need. From simple tank level indication to a complex wastewater treatment plant with odour management systems, our state-of-the-art, purpose-built technology make it easier to control, automate, monitor, or maintain critical infrastructure.

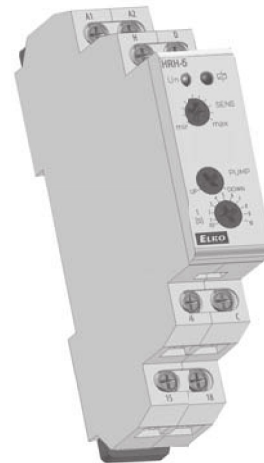
MultiTrode Controller



MULTITRODE MTR LEVEL RELAY

- ✗ 2x 5A relay outputs
- ✗ Dial sensitivity (4 fixed settings between 1-80 k Ω)
- ✔ Available in 12Vdc
- Stepped delays from 0-160 seconds on the relay output

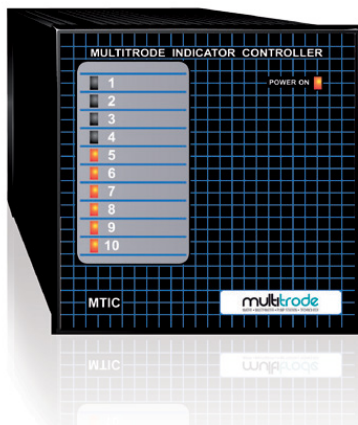
MATElec Alternative



HRH-5 CONDUCTIVITY RELAY

- ✔ 2x 8A relay outputs
- ✔ Dial sensitivity (5-100k Ω)
- ✗ No 12Vdc option
- Delay limited to 10s (can be expanded with multifunction module)

MultiTrove Controller



MULTITRODE INDICATOR CONTROLLER (MTIC)

MATElec Alternative



FPC-12705 + HYDROSTATIC TRANSDUCER

FOR LEVEL ONLY

- 10 fixed setpoint level readout

- 12V, 24V, 240VAC power supply options

- Controller component only

- Selectable relay outputs

- 4 selectable relay delay times

- Requires 10-point MultiTrove conductivity probe

- Gives an indication of level

- Continuous analogue input for accurate 4-20mA analogue level readout

- Solar, 24V, 240VAC power supply options

- Complete 'plug and play' solution

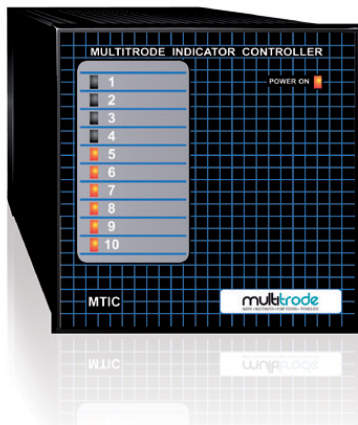
- 2 or 4 (optional) programmable relay outputs

- Programmable delay time for relay output

- Uses highly accurate 4-20mA level sensor

- Can be used for percentage full, level, volume

MultiTrode Controller



MULTITRODE INDICATOR CONTROLLER (MTIC)

MATElec Alternative



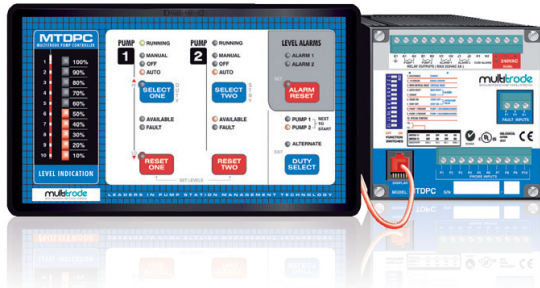
HydroWHIZ DOL PANEL

FOR LEVEL AND PUMP CONTROL

- ✗ 10 LED bar graph for level indication
- 10x fixed relay outputs
- ✗ Control up to 3 pumps
- ✗ Controller only, needs to be built into panel
- ✗ 10-point fixed level indication
- ✗ Pump control based on 10 level setpoints
- BMS for SCADA
- ✗ No RS485 compatibility
- ✗ Not directly compatible with an IoT platform

- ✓ Touchscreen HMI with advanced pump control & telemetry
- 5x programmable relay outputs
- ✓ Control up to 6 pumps
- ✓ Complete solution, designed specifically to suit your pump
- ✓ Analogue input for high fidelity level indication
- ✓ Fully programable analogue setpoint with digital, float back up
- Volt free BMS for common fault, can be expandible as full suite BMS
- ✓ RS485 compatible
- ✓ IoT compatible for remote monitoring control via Propitect

MultiTrove Controller



MULTITRODE DUAL PUMP CONTROLLER (MTDPC)

MATElec Alternative



HydroSTART FPC-82241

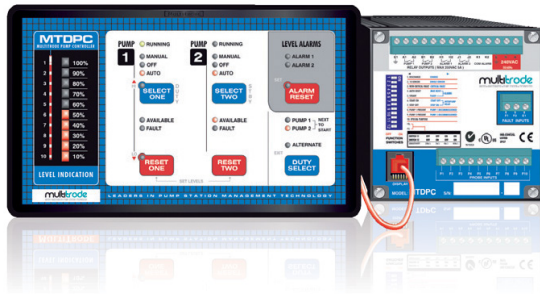
WHEN FIDELITY IN LEVEL MEASUREMENT IS NOT REQUIRED

- 10-point conductivity probe
- High level, low level, duty and standby start based on 1 of 10 levels
- Level fill/empty operation
- Pump mode auto/main, duty assist or duty standby, duty alternation
- Controller only with 5A relays for pump switching
- BMS relay outputs
- ✗ No MODBUS compatibility
- ✗ Sensitivity of probe needs to be adjusted for fluid conductivity
- Intrinsically safe variant (US only)

- Up to 5 float switches (see HydroWHIZ DOL panel below for level fidelity)
- High level, low level, duty and standby start/stop based on float switch level (see HydroWHIZ DOL panel below for setpoint adjustability)
- ✓ Level fill/empty, pressure control mode
- Pump mode auto/main, duty assist or duty standby, duty alternation
- ✓ Complete solution, onboard overload for 0.1-16A pump operation
- ✓ BMS output for common fault, volt free, expandable to full suite
- ✓ MODBUS RS485 read for easy SCADA comms and control
- ✓ Floats designed for special fluid applications, no adjustments on site
- ✓ Intrinsically safe variant, rain/mains change over, hot water circulator, generator backup, IoT conductivity probe, and many more options

NOTE: if 10 level setpoints are needed for greater fidelity, MATElec Australia's HydroWHIZ DOL Panel takes a 4-20MA analogue input for optimum fidelity & control of up to 6 Pumps.

MultiTrove Controller



MULTITRODE DUAL PUMP CONTROLLER (MTDPC)

MATElec Alternative



HydroWHIZ DOL PANEL

WHEN FIDELITY IN LEVEL MEASUREMENT IS REQUIRED

- 10-point conductivity probe
- ✗ 10 LED bar graph for level indication
- High level, low level, duty and standby start based on 1 of 10 levels
- Level fill/empty operation
- Pump mode auto/main, duty assist or duty standby, duty alternation
- Controller only with 5A relays for pump switching
- BMS relay outputs
- ✗ No MODBUS compatibility
- ✗ Sensitivity of probe needs to be adjusted for fluid conductivity
- ✗ Intrinsically safe variant (US only)
- ✗ Not directly compatible with an IoT platform

- ✓ Analogue input for high fidelity level indication
- ✓ Touchscreen HMI with advanced pump control & telemetry
- ✓ Fully programable analogue setpoint with digital, float back up
- ✓ Level fill, empty or pressure operation on transducer or float/pressure switch
- ✓ Control up to 6 pumps
- ✓ Complete solution, designed specifically to suit your pump
- ✓ Volt free BMS for common fault, can be expandable as full suite BMS
- ✓ RS485 compatible for mandatory A Control
- ✓ 4-20mA Level Sensor
- ✓ Intrinsically Safe variant available on request
- ✓ IoT compatible for remote monitoring control via Propitect

MultiTrove Controller



MULTISMART CONTROLLER

- 10-point MultiTrove conductivity probe or 4-20mA control
- Control up to 6 pumps
- Graphic LCD with buttons
- Set up wizard
- On board power monitoring
- Onboard power metering
- Well wash functionality
- VSD fault and monitor protection
- SCADA ready - RS485, RS232
- Designed for SCADA integration
- Controller needs to be built into a panel
- Surge protection standard

MATElec Alternative



HydroTOUCH

- 2 x 4-20mA input for continuous high-fidelity measurement
- Control up to 12 pumps
- Comprehensive colour HMI touch screen
- Set up wizard with addition extensive configuration screen
- Optional power monitoring
- Optional power metering
- Well wash, mixer UV filter assignable out pumps
- Extensive protection with sensor redundancy, digital input backup
- SCADA ready - RS485
- IoT Compatible with Propitector for extensive data logging and control via the internet
- Complete solution 'plug and play'
- Surge protection (optional)