



TruLogic Controller

The TruLogic™ Controller is powered by a DeltaV Controller capable of controlling up to eight (8) bioreactors. Each TruLogic Controller can be networked with additional TruLogic Controllers to create a control network capable of managing several hundred bioreactors. A TruLogic can be connected to TruViu hardware, or other peripheral hardware devices for flexible bioreactor control.



Features

- **Powered by the DeltaV Controller**
- **Supports Modbus, DeviceNet, Foundation Fieldbus and Profibus DP remote I/O**
- **Controls up to eight (8) bioreactors**
- **Requires as few as two (2) DST's per bioreactor controlled**
- **Able to interface with new or existing 3rd-party devices such as controllers, analyzers and more...**

Specifications

Dimensions	24" (H) x 24" (D) x 8" (W)
Rating	NEMA 4X
Operating Temperature	5 –40°C (41 – 104°F)
Storage Temperature	-25 –70°C (-15 –158°F)
Relative Humidity	5–95% (non-condensing)
Weight/Shipping Weight	60 lb/75 lb (27 kg/34 kg)
Certification	CE, EN-61010, designed for UL-508 compliance

Components

Power	110–240 VAC, 50–60 Hz at less than 2A Redundant 24 VDC bulk power (optional) Uninterruptible power supply (UPS) is optional
Controller	DeltaV MD+ controller Redundancy available
Ethernet	Primary ethernet switch with six (6) connectors Secondary ethernet switch
I/O Modules	Modbus, DeviceNet, Foundation Fieldbus and Profibus DP, Traditional IO
Warranty	Every TruLogic Controller is warranted for one full year (12 months) from date of shipment against defects in material and workmanship

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