



TruViu RDPD

TruViu™ RDPD has been specially designed for R&D and PD bioprocess using a glass vessel, rocker bag, or single-use bioreactor (SUB). The system consists of an I/O Tower, a Pump Tower and a gas manifold. An optional Junction Box is available for ease of use and possible ergonomic requirements. TruViu RDPD interfaces easily with the TruLogic™ Controller to deliver the optimal performance when using the TruBio® DV software. TruViu RDPD is designed to be modular and configurable, in order to maximize ease-of-use, and provide maximum flexibility for process development, without sacrificing reliability and robustness.



Features

- Optimized to control a typical R&D and PD bioreactor
- Modular and flexible
- Highly configurable
- Includes auxiliary control loops for third party peripherals
- Powered by the DeltaV™ enabled TruLogic™ controller and TruBio™ RDPD

Dimensions*

IO Tower	29" (H) x 10" (W) x 21" (D)
Pump Tower	20"H x 8"W x 12"D
Junction Box (optional)	3"H x 11"W x 2.5"D

Specifications

Rating	NEMA 2
Operating Temperature	5 – 40°C (41 – 104°F)
Storage Temperature	-25 – 70°C (-15 – 158°F)
Relative Humidity	5 – 95% (non-condensing)
Certification	CE, and EN-61010 compliance

I/O Tower Components

Agitation	Variable Speed Drive
pH	pH/DO or TruFluor pH Transmitter
Dissolved Oxygen	pH/DO or TruFluor DO Transmitter
Temperature	High Precision Temperature Transmitter Heater/Cold Finger/RTD Control
Foam/Level	Analog Input
Liquid Control	Up to Four (4) Variable Speed Peristaltic
Gas Control	Up to Four (4) Analog Mass Flow Controllers
Scales/Balances	Analog output or TruConnect™ serial
Auxiliary	Two (2) auxiliary control loops Two (2) auxiliary 4-20 mA inputs

Junction Box Components

Connections	pH, DO, Temperature, Level, Agitation, Heater, 2 Auxiliary I/O
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Cable Types

pH	S8, K8, VP, TruFluor
DO	D4/T82, VP, TruFluor
Agitator	Finesse Custom
Heater	US Wallplug

Finesse Solutions, LLC
3350 Scott Blvd, Bldg 1
Santa Clara, CA 95054

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Via Sogn Gieri 27a
CH-7402 Bonaduz
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877-204-8644
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Pump Tower Components

Pumps Up to Four (4) Variable Speed Peristaltic
Watson Marlow 100 or 350 rpm

Standalone Pumps Watson Marlow 101 series

Minimum Licensing Requirements (Modbus)

DeltaV™ Pro Plus 25 DST

DeltaV™ Analog Output 25 DST

Accessories

TCU Thermal Control Unit for jacketed single-use
bioreactors (SUBs)

Cart Standalone mounting cart for PLSS system and
peripherals

Pressure Switch Pressure monitor at output of TruViu MFC

Scales Analog output or select Sartorius

Cable Types

pH S8, K8, VP, TruFluor

DO D4/T82, VP, TruFluor

Agitator Finesse Custom

Heater TCU Finesse Custom

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