

TruViu PLSSmini

TruViu™ PLSS has been specially designed for single-use pilot and small scale production bioprocess applications (< 50L to 250L). The system consists of an I/O tower, a Pump Tower, and a Gas Manifold, as well as large range of peripherals (cart, HMI, scales, sensors, external pumps, etc.) TruViu PLSSmini interfaces easily with the TruLogic™ Controller to deliver optimal performance when using the TruBio® DV Software. TruViu PLSSmini was designed for use with smaller single-use vessels that do not require redundant sensors. It is designed to minimize footprint and start-up cost.



TruViu PLSSmini

Features

- cGMP hardware for mid-size single-use bioreactors
- Optimized to control pilot plant or small-scale production units
- Modular, flexible yet affordable
- Plug-and-play
- Auxiliary control loops for third party peripherals

Dimensions

I/O Tower	30"(H) x 24"(W) x 9"(D) (762 x 610 x 229 mm)
Pump Tower	20"(H) x 16"(W) x 9"(D) (508 x 406 x 229 mm)
HMI Station	19" screen: 23.1"(H) x 24.6"(W) x 15.72"(D)

Specifications

Rating	NEMA 4X
Operating Temperature	5 – 40°C (41 to 104°F)
Storage Temperature	-25 –70°C (-15 –158°F)
Relative Humidity	5– 95% (non-condensing)
Certification	CE (EN-61326 and EN-61010) and UL-508

PLSSmini Components

Agitation	External Variable Speed Drive
pH	Finesse electrochemical or TruFluor pH transmitter
Dissolved Oxygen	Finesse polarographic or TruFluor DO transmitter
Temperature	Finesse RTD or TruFluor pH/DO transmitter
Pressure	TruTorr transmitter
Liquid Control	Up to four (4) variable-speed, peristaltic pumps Watson Marlow 313 series
Gas Control	Up to five (5) mass flow controllers Max fifteen (15) associated solenoids
Scales/Balances	Analog output or serial communications (RS-232/RS-485)
Auxiliary	Two (2) auxiliary control loops (4-20 mA) Two (2) analog inputs (4-20 mA)

Finesse Solutions, LLC
71 Daggett Drive
San Jose, CA 95134

Finesse Solutions AG
Via Sogn Gieri 27a
CH-7402 Bonaduz
Switzerland

800-598-9515
www.finesse.com

HMI Station Components

Monitor/Computer	19" color touch screen industrial PC
Certification	NEMA 4X
Flat Panel Display	1280 x 1024, 24-bit color
Keyboard	standard US, 5 million keystrokes
Trackball	PS/2, > 1 million revolutions

TruViu PLSS was designed for use with large single-use vessels that require redundant sensors and multiple peripherals. It is designed to minimize footprint and start-up cost. One PLSSmini system and one PLSS system can be mounted onto a cGMP cart, along with a NEMA 4X operation station HMI.

General Hardware: Peripherals

Thermal Control	Heater/Chiller unit having analog control (Lauda T1200, T4600)
Pumps	Watson Marlow 520, 620, 720 series
Scales	Analog output or serial (select Sartorius)
Cart	Standalone mounting cart 34"(W) x 76"(H) x 25"(D) (86x193x64 cm)
HMI	19" color touch screen industrial PC, NEMA 4X, 1280 x 1024, 24-bit color, keyboard and trackball

Cable Types

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



Finesse Solutions, LLC
71 Daggett Drive
San Jose, CA 95134

Finesse Solutions AG
Via Sogn Gieri 27a
CH-7402 Bonaduz
Switzerland

800-598-9515
www.finesse.com