

# LC-10Tvp High Pressure Solvent Delivery System

## Overview:

LC-10Tvp Liquid Pump was developed on the basis of STI501 Liquid Chromatography, adopted advanced technology and design of the United States.

LC-10 Tvp Liquid Pump can be connected to any sort of Liquid detector, so widely applied in the field of HPLC, laboratory chemical reaction infusion and chromatography and etc.

## Features:

- Improve the maximum limited pressure by precise transducer
- Accord with GMP/GLP, ISO9001, 21 CFR Part II with Surwit CDS (Software)
- Online Washing Device while analysis
- Self-priming pump head requires no manual priming
- Available with micro, analytical, semi-prep, and prep pump heads
- Programmable solvent compressibility compensation
- Easy maintenance and service for all wetted parts



LC-10Tvp Liquid Constant flow Pump	2 set
SPD-10Tvp UV-VIS Spectrophotometric Detector	1 set
Solvent Tray	1 set
Mixer	1 set
7725i manual injector	1 set
Chromatography data system	1 set
Chromatography column	1 set

## Specifications:



<b>Flow Range</b>	0.001 – 9.999 ml/min
<b>Delivery method</b>	Double piston ( Main & Auxiliary)
<b>Pump head</b>	10ml SST/Peek analytical
<b>Accuracy</b>	± 1% or ± 2μL/min, whichever is greater
	± 1% or ± 1μL/min, whichever is greater (Micro)
<b>Flow rate settings</b>	0 - 0.10 mL/min. 0.001 inc.
	0.10 – 0.90 mL/min. 0.010 inc.
	1.0 mL/min.+ 0.10 inc.
<b>Precision</b>	0.1% RSD
<b>Pmax</b>	9999 psi
<b>System connections</b>	1/16" capillaries
<b>Dimensions</b>	130 mm x 260 mm x 420 mm
<b>Weight.</b>	11 kg
<b>Power input</b>	85 to 264 VAC, 47 to 63 Hz, 60 Watts
<b>Display</b>	300mm

## Manufacturer:

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## SPD-10Tvp UV-VIS

### Spectrophotometric Detector

#### Overview:

Surwit SPD-10Tvp UV-VIS can be connected to any sort of liquid pump, accuracy wavelength, high sensitivity, widely linear range. This is a cost-effective and reliable, practical, economic testing unit.

Accord with GMP/GLP, ISO9001, 21 CFR

Part II with Surwit Chromatography

Data System (Software).

#### Specifications:



Wavelength	190-700 nm
Spectral bandwidth	6 nm
Wavelength Accuracy	$\leq \pm 1$ nm
Wavelength Reproducibility	$\leq \pm 0.1$ nm
Flow pool volume	8 $\mu$ L
Optical path	10 mm
Dynamic Noise	$\leq \pm 0.75 \times 10^{-5}$ AU (Methanol, 1ml/min, 254nm, 20°C)
Static Noise	$\leq \pm 0.5 \times 10^{-5}$ AU (Empty pool, Response time 1 s, 20 °C)
Dynamic Drifting	$\leq \pm 1 \times 10^{-4}$ AU (Methanol, 1ml/min, 254nm, 20°C)
Static Drifting	$\leq \pm 0.5 \times 10^{-4}$ AU (Empty pool, Response time 1 s, 20 °C)
Qualitative repeatability	RSD $\leq 0.1\%$
Quantitative repeatability	RSD $\leq 0.5\%$
Dimensions	130H x 260W x 420 D, (mm)
Weight.	11 kg

#### Features:

- Unique pool structure ensures the accuracy and sensitivity of the instrument
- Easy maintenance and service for all wetted parts
- High-quality structure
- Long life deuterium lamp
- Easily replace
- Advanced design



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