

SMAART™ pulse

Sampling Pump

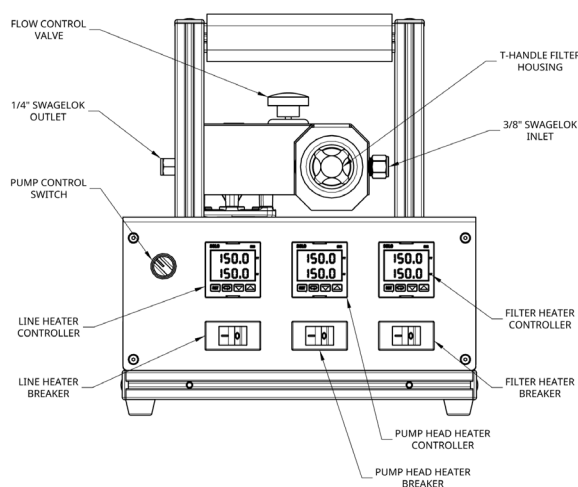
The **SMAART™ Pulse** is an open-frame heated sampling pump controller designed to simplify sample delivery with portability and convenience in mind. When paired with EVT's SMAART™ Transport, the SMAART™ Pulse unlocks higher levels of automation and efficiency in modern emissions testing workflows.



	SMAART Pulse
Technology	Open Frame Heated Sampling Pump Controller • Automatic pump control via SMAART Transport/Transport Pro • Integral heated T-handle filter • Integral flow restriction valve • Heater controllers • User accessible heater control port for short, heated transfer line (2A MAX)
	Physical
Environmental	0-40 °C, RH 5-95% non-condensing
Power	120VAC, 60Hz, 10A MAX, 4A Typical IEC C14 Fused Inlet
Enclosure	Open Frame, Free Standing
Dimensions (mm)	305mm x 380mm x 360mm (WxHxD)
Weight	12 kg
	Filter
Size	12mm x 57mm
Efficiency	95% @ 0.01micron
	Control Specifications
Communication	SMAART Platform Control Port
Heater Channels	3x IEC320 C13 Receptacles (2 reserved) 3x Type K, Standard/Miniature
Channel 1 RESERVED – Pump Head Heater	125W Heater

Technical Specifications Continued

	Control Specifications (Continued)
Channel 2 RESERVED – Sample Filter Heater	90W Heater
Channel 3 Channel 3 is intended for short, heated transfer line and is not meant to drive heated lines drawing more than 2A	Short, Heated Transfer Line 2A MAX
	Pump Specifications
Pump Control Motor	SMAART Platform Control Port (for pairing with SMAART Transport/Transport Pro) 4-pin CPC connector and cable for remote automatic motor control.
Flow Rate	20LPM @ 1ATM, 5LPM @ 8ATM * <i>* At ambient conditions. Total flow dependent on length of transfer lines, sample temperature, pressure, and moisture level</i>
Flow Control	Integral metering valve
Maximum Pressure	8ATM
Inlet Connections	3/8" Swagelok®
Outlet Connections	1/4" Swagelok®
Thermal Protection	Motor Protection - Pump motor is protected by an integral thermal switch at 145 °C



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