

SMAART transport

Precision Calibration Gas Delivery

The **SMAART™ Transport** is a rack-mounted gas delivery platform designed to distribute calibration gases directly to analyzers and through the sampling system with consistency and control. Built for modern emissions testing workflows, it simplifies calibration while improving repeatability and confidence in your results.



	Transport Core	Transport PRO
	Automated Gas Delivery • 10 input ports: N₂, CTS, up to 8 calibration gas cylinders • 4 output ports: Probe (System or Spike), Direct FTIR, Direct A, Direct B • Controllable from HMI touchscreen or remote	
Technology	Automated Gas Delivery • 10 input ports - N₂, CTS, up to 8 Cal Gases • 4 output ports - Probe (System or Spike) - Direct FTIR - 2 additional direct outputs • Single MFC (0 - 20 LPM)	Automated Gas Delivery & Dilution • 10 input ports - N₂, CTS, up to 8 Cal Gases • 4 output ports - Probe (System or Spike) - Direct FTIR - 2 additional direct outputs • Single high-flow MFC (0 - 20 LPM) • Dual low-flow MFCs for dilution - (0 - 2 LPM, 0 - 0.2 LPM)
	Physical	
Environmental	0 - 40°C Operating Temperature* 5 - 95% non-condensing Intended for indoor use in a dry, clean environment <i>* MFCs require ambient operating temperature variability of no more than ±2°C for optimum performance. Flow and or dilution values may be degraded outside of this range.</i>	
Power	120 - 240VAC 50/60Hz, 2A Max	
Enclosure	19" Rackmount, 4U, NEMA 1	
Dimensions	19" x 7" x 25.2" (W x H x D) / 483mm x 177mm x 640mm (W x H x D)	
Weight	24lbs.	28lbs.

Technical Specifications Continued

	Transport Core	Transport PRO
	Communication	
Primary Control	RJ45 Ethernet	
Pump Control	SMAART Platform Control Port (for pairing with SMAART Pulse) 4-pin CPC - Provides on/off control signal for connected sample pump..	
Analog Input	Two 4 - 20mA Analog Inputs. Available for acquiring signals from external analyzers.	
Touch Screen	7", 800 x 480, 310nits Resistive Touch	
Control	Touchscreen Operation from front panel. Remote Operation via EVT Ensight™ Control Software	
	Gas Handling	
Gas Inputs	Ten ¼" Swagelok® (N2, CTS, 8x User Calibration Gases)	
Gas Outputs	Four ¼" Swagelok® (Probe, Direct FTIR, Direct Aux-A, Direct Aux-B)	
Input Gas Pressure	Range = 30 - 50 PSIG Nominal = 40 PSIG	
Maximum Output Backpressure	5 PSIG	
	Flow and Concentration Accuracy	
Dilution Accuracy	N/A	1 - 5% Typical, depending on flow settings
Flow Accuracy	±1% full scale	±0.1% full scale plus ±0.5% reading
Flow Repeatability	±0.2% of reading	±0.2% of reading
Warm Up Time	30 min.	