Span Chek Specifications

Principles of Operation	FlexStream Base Module
Dilution of constant component vapor emission from permeation or diffusion tubes	✅
Delivery of precise, adjustable, low concentration dynamically blended gas mixtures. Trace concentrations – ppmv, ppbv, pptv	✅
Permeation Tube Oven	
Construction – high thermal mass oven with electronic PID control	Vertical orientation
Pre-set, specified oven temperature	30, 35, 40, or 50 °C
NIST-traceable oven temperature	✅
Oven setpoint resolution and control	±0.01 °C
Diluent Gas	
Uses ambient air from surroundings	✅
Can calibrate all sensors to the same standard (ambient air)	✅
Accepts Vapor Emissions from the Following Devices*	
3/16″ diameter type SRT tube up to 5 tubes	✅
1/4″ diameter type SRT2 or HRT tube up to 4 tubes	✅
*Note: Maximum internal diameter 3/4″ Maximum overall length 15 cm	

Standard Component Flow Path	
Component contacts only glass, Teflon® and stainless steel	✅
Glass permeation tube holder	✅
Optional Component Flow Path (specified at time of order)	
Heated output lines	✅
Stainless steel	✅
Electro-polished stainless steel	✅
Sulfinert-coated stainless steel	✅
Teflon only	✅
Teflon permeation tube holder	✅
Standard Modes of Operation	
Standby (oven venting at approx 75 cc/min flow rate)	✅
Output Concentration Range	
Between 0.1 to 100 ppm depending on tube emission rate	✅
Output flow between 500 to 1500 sccm	✅
User selects units of ppm, ppb or ppt	✅
Interfaces	
Local interface – color touch screen display with virtual keypad	✅
Remote interfaces – Ethernet (standard) and serial RS-232 (standard)	✅
RS-232 conversion to RS-485 via customer-supplied converter (optional)	✅
Communications Protocol	Modbus RTU
Instrument Housing	
Carrying case (standard)	✅
Power Requirements	
Battery Pack: 12VDC Rechargeable	✅

5 watts, with 15 watt peak. Can operate from internal battery, external battery, or external battery charger/power supply.	✅
Dimensions and Weight	
Approximate dimensions:	11″ wide x 14″ high x 4 1/2″ deep
Approximate weight:	11.5 lb
Certifications	
European CE Mark (230 VAC, 50 Hz): FlexBase, FlexPM, FlexSD	✅
NRTL (site-specific)	✅
CSA (site-specific)	✅