

<b>KIN-TEK ANALYTICAL, INC. PRODUCT FEATURES LIST</b>	<b>FlexStream™</b>	<b>491Flex™</b>	<b>EcoFlex™</b>
<b>Principles of Operation</b>			
External PC remote control via Modbus® RTU, Ethernet, or RS232			
Front panel control of flow and temperature subsystems			
Dilution of component vapor from permeation or diffusion tubes			
Precise delivery of dynamically blended trace gases - ppmv, ppbv, pptv			
Variable flow rate adjustment with Standby, Zero, and Span Modes			
Precise control of oven temperature set points with PID controller			
Fixed regulated carrier gas input pressure			
Fully functional standalone system			
Expandable to include more calibration specific modules			
Automatic calculation of concentration and flow set point		Manual	Manual
Laboratory/Cleanroom/Production/Analytical/Research Applications			
<b>Permeation Tube Oven</b>			
NIST Traceable Oven temperature control from 30°C to 150°C			
Oven set point resolution and control	±0.01°C	±0.01°C	±0.01°C
Temperature digital indication and adjust via front panel			
Over-temperature detection with alarm and power removal		Optional/ No Alarm	Optional/ No Alarm
Oven control/graphical stabilization chart via PC Software Interface			
Vertical oven for easy and safe load/unload of permeation tubes			
Uses Disposable or Prefilled Refillable type permeation tubes			
<b>Dilution Flow System</b>			
Uses inert, non-reactive, non-hazardous dry carrier gas (N2, Air, Ar)			
Factory calibrated flow subsystem (0.25 slpm to 5.0 slpm), traceable to N.I.S.T.	Mass Flow Controller	Mass Flow Controller	Mass Flow Controller
Calculates dilution flow based on gas correction factor (GCF) for carrier gases other than Nitrogen		Manual	Manual
Flow rate accuracy	Lesser of ±1.5% reading and ±1%FS	Lesser of ±1.5% reading and ±1%FS	Lesser of ±1.5% reading and ±1%FS
Flow control via PC Software Interface			
Easy access front panel flow adjustments			
<b>Physical and Electrical</b>			
Available in 115VAC (50/60 Hz) or (230 VAC, 50/60 Hz)			
Single Module Dimensions/Weight	6"W x 13.5"H x 20"D / ~27 lbs	6"W x 13.5"H x 20"D / ~37 lbs	6"W x 13.5"H x 20"D / ~25 lbs
European CE Mark (230 VAC, 50 Hz)			
Expansion Cabinet Dimensions/Weight (based on full capacity)	19.5"W x 13"H x 25"D/ ~100 lbs	19.5"W x 13"H x 22"D/ ~110 lbs	NA