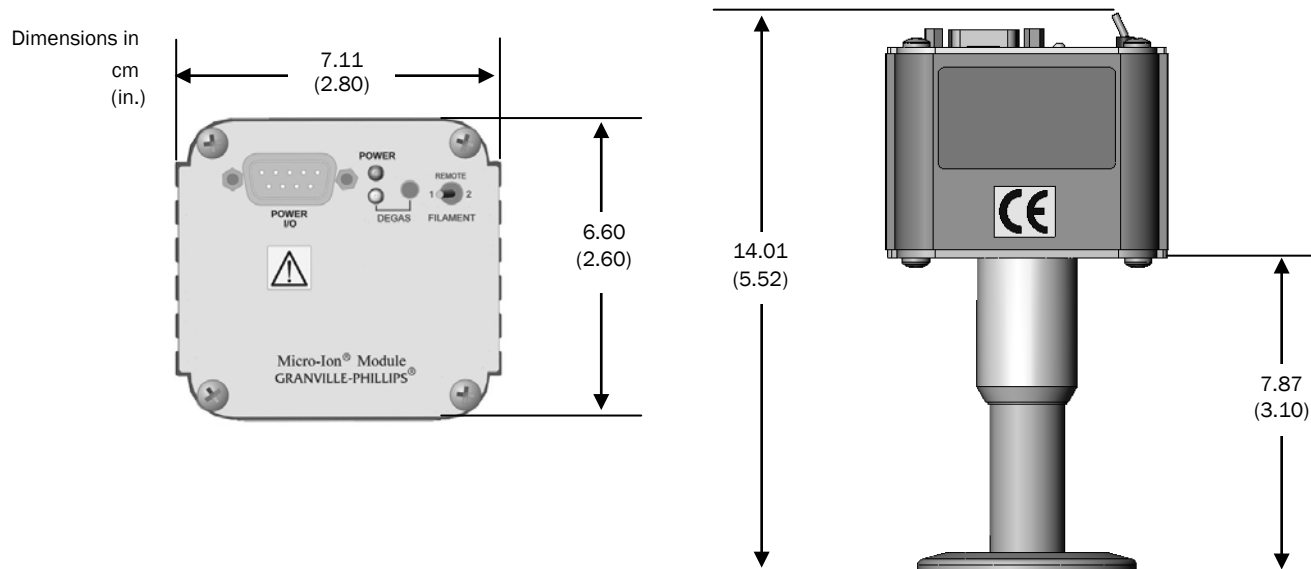


Micro-Ion® Module: Extended Gauge Tube without Baffle, 354077-TK-T



Introduction Use this addendum with the Micro-Ion Module Instruction Manual (part number 354004) for proper installation, operation, and maintenance of the module. The 354077-TK-T module duplicates the functionality of a 354019-TD-T, but the 354077 degas status I/O indicates fault conditions. Module and connector panel features are also different from the 354019. The 354077 module requires replacement Micro-Ion Gauge 354078-TK.

Specifications Pin 5 of the I/O connector indicates a fault condition whenever emission control is out of limits, gauge pressure is too high, or a high voltage failure occurs. A fault can be momentary, but the fault line remains ON for at least 0.5 seconds. If a fault causes the gauge to turn OFF, the fault line stays ON for 0.5 seconds, then floats high. When power is applied to the module, this pin floats high.

Connector Pin Descriptions

Pin	Description	Function
Pin 1	Gauge ON/OFF input	A continuous ground is required for an "ON" condition Removal of ground turns gauge OFF
Pin 2	Power supply ground	Input power return, gauge ON/OFF, degas ON/OFF, and status outputs
Pin 3	Analog output	Used with pin 7, analog output ground, pressure = 10(Volts - 11)
Pin 4	Power supply input	+24 Vdc +/- 15%, 12 watts maximum, protected against reversal and over-voltage
Pin 5	Fault signal output	Open collector transistor (grounded emitter) rated at 40V maximum VCE, 50mA maximum Transistor OFF = no fault Transistor ON = fault
Pin 6	Degas ON/OFF input	Application of continuous ground initiates degas cycle
Pin 7	Analog output ground	Used with analog output
Pin 8	Emission current input	Application of ground increases emission current from a low setting to a high setting
Pin 9	Filament selection input	Allow pin to float high to select filament 1 Application of ground selects filament 2



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Addendum
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Page 1 of 1