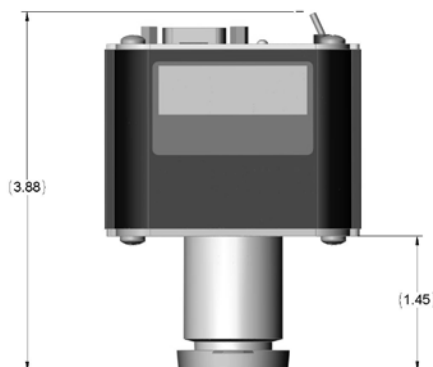
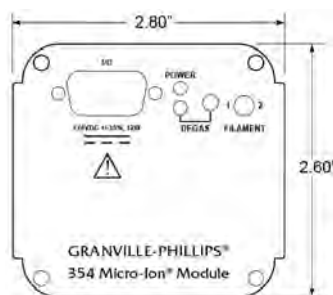


Micro-Ion® Module Catalog #354073-TD-T

Dimensions
are in inches

**NOTICE**

Use this addendum along with Micro-Ion Module Instruction Manual (354004) for the proper installation, operation and maintenance of this module.

This document is not meant to be a substitute for product safety instructions. Consult the Instruction Manual for complete safety instructions.

Introduction

The 354073-TD-T module duplicates the functionality of a 343004 with the exception that the ion gauge has two selectable Tungsten filaments. Module and gauge form factor and connector panel features are different from the 343004. The 354073 module requires replacement Micro-Ion gauge 354069-TD.

Specifications

When the ion gauge is OFF, filament 1 or 2 may be selected using the Filament switch. Degas may be started using the Degas push button. The power indicator is Amber when the gauge is OFF, Green when the gauge is ON, and Red if there is a fault. Low emission is 20uA.

Connector Pin Descriptions

Pin (9-Pin D)	Description	Function
Pin 1	Gauge ON/OFF	The application of a continuous ground is required for an "ON" condition. Removal of the ground turns the gauge OFF.
Pin 2	Power Ground	Use for input power return, IG ON/OFF, Degas ON/OFF and status outputs.
Pin 3	Analog Output	Used in conjunction with Pin 7, Analog Output Ground. Pressure = 10 ^(Volts-9)
Pin 4	Input Power	+24 Vdc +/- 15%, 12 watts max. Protected against reversal and over voltage.
Pin 5	Degas Status	Open collector transistor (grounded emitter) rated at 40V max. VCE, 50mA max. Transistor OFF = Degas OFF, transistor ON = Degas ON.
Pin 6	Degas ON/OFF	Application of continuous ground turns Degas "ON".
Pin 7	Analog Output Ground	Use in conjunction with the Analog Output only.
Pin 8	Emission Current	Application of ground increases emission current from 20uA to 4mA.
Pin 9	Gauge Status	Open collector transistor (grounded emitter) rated at 40V max. VCE, 50mA max. Transistor OFF = Gauge OFF, transistor ON = Gauge ON.