

## Liability and Warranty

INFICON assumes no liability and the warranty becomes null and void if the end-user or third parties

- disregard the information in this document
- use the product in a non-conforming manner
- make any kind of interventions (modifications, alterations etc.) on the product
- use the product with accessories not listed in the corresponding product documentation.

## General Safety Instructions

Adhere to the applicable regulations and take the necessary precautions for all work you are going to do and consider the safety instructions in this document.

- Hazardous voltages are present with this product during normal operation. The product should never be operated with the connectors of the cable adaptor removed unless equivalent protection of the operator from accidental contact with hazardous internal voltages is provided.
- Do not modify this product or substitute any parts without authorization of qualified INFICON service trained personnel.
- To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

Communicate the safety instructions to all other users.

- 3 Connect the small end of the GP355 adaptor to your existing GP ion gauge cable as shown below.
- 4 Connect the BNC connector of your existing GP cable to the VGC083A connector labeled "COL" as shown below.
- 5 Turn on the power to the VGC083A.
- 6 It is very important in this step to access the SETUP UNIT Menu of the VGC083A and set "DEFAULTS". This is recommended only one time at the initial set-up and it enables the controller realize its operating a small ion gauge and will set the defaults for the small ion gauge accordingly. In this case the same default parameters used for the INFICON BAG055 Mini Ion Gauge will be set for the GP355 Micro ion gauge as well.
- 7 The sensitivity value of the 355 GP Micro-Ion vacuum gauge is known to be 20 Torr. As such, in the "ION GAUGE" menu of the VGC083A Controller program the "SENSITIVITY" value of 20. If you have a custom version of the GP355 ion gauge with a sensitivity value other than 20 Torr, then program the actual known value of your ion gauge sensitivity.
- 8 Program the other parameters per guidelines given in the VGC083A Operating Manual.

## Cable Adaptor GP355



Operating Manual

tinb48e1 (2018-10)

## Validity

This document applies to products with part number:  
399-767

The part number (PN) can be taken from the product name-plate.

We reserve the right to make technical changes without prior notice.

## Trademarks

Granville-Phillips® and Micro-Ion® are registered trademarks of MKS Instruments, Andover, MA

## Intended Use

The INFICON Cable Adaptor GP355 is a connector cable intended exclusively for operating the MKS / Granville-Phillips® (GP) 355 passive Micro-Ion® vacuum gauge with the INFICON Vacuum Gauge Controller VGC083A.

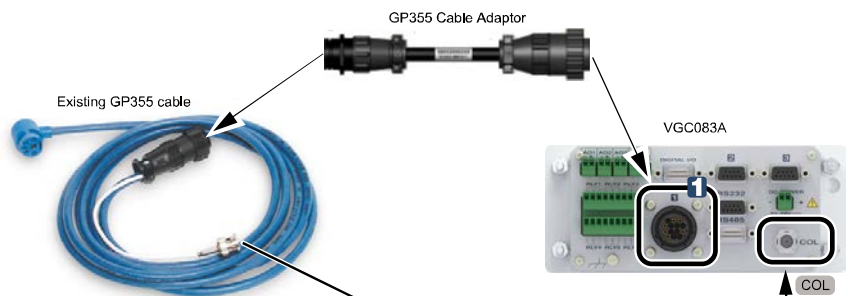


## Dimension



## Installation

- 1 Turn off power to the VGC083A.
- 2 Connect the large end of the GP355 adaptor to the VGC083A IG connector labeled 1 as shown below.



## Safety

### Personnel Qualifications



#### Skilled personnel

All work described in this document may only be carried out by persons who have suitable technical training and the necessary experience or who have been instructed by the end-user of the product.

