



## Graphite® Universal Input Module

Item number: **GMUIN400**

The Graphite universal input module easily connects any device to Graphite HMIs and can be used in conjunction with any Graphite modules. This 16-bit module provides four isolated analog inputs for signal measurement, and accepts a wide range of thermocouples, RTDs and process signals. Ideal for data acquisition applications.



*Monitor and control remote devices easily and intuitively with Graphite® data acquisition modules.*

### Features and benefits

- ✓ **16-bit analog input control**  
Four isolated universal inputs accept wide ranged thermocouples and RTDs, as well as 0/4-20 mA and 0-10 V process signals. Inputs are isolated from each other and the power supply.
- ✓ **Flexible configuration**  
Once programmed, the module can operate/control independent of the Graphite device as long as power is applied. Use in conjunction with any Graphite series module.
- ✓ **Easy to connect and remove**  
Modules connect and communicate via proprietary USB connection to the various Graphite devices.
- ✓ **LED status and alarm indicators**  
Status LED displays the state of the module, including startup routine and error states. Alarm LED indicates the presence of an input fault condition.
- ✓ **Module powered by Graphite® HMI**  
Power is supplied by the Graphite® host device. Maximum power: 1.8 W.
- ✓ **High speed and high performing**  
Sample time of 50 msec. Temperature coefficient of 0.01%/°C.
- ✓ **Non-volatile memory**  
Retain all programmable parameters.
- ✓ **Simple setup with Crimson® configuration software**  
Configure and perform routine re-calibrations with Windows® compatible Crimson® configuration software. The user-friendly graphical interface makes programming quick and easy.
- ✓ **Designed for harsh environments**  
Durable metal construction. Suitable for hazardous environments with UL Class I, Division 2 listing and CE, ATEX/UKEX and IECEx approved. ABS Type approval for shipboard applications. Operating temperature of -40 °C to 75 °C



# Graphite® Universal Input Module

## General

Net Weight (g)	0.01
Packed Width (mm)	149.225
Packed Height (mm)	79.375
Packed Depth (mm)	168.275
Packed Weight (g)	227.01
Relative Humidity	85% max relative humidity, non-condensing
Power Consumption (W)	0
Input Voltage (V)	0-10 VDC
Maximum Installation Altitude (m)	2000
Mounting	Wall mount
Housing Materials	Metal Housing
Packaging Material	Cardboard
Warranty (years)	2

## Identification and Status

Product ID	GMUIN400
Country of Origin	United States of America (the)
HS Code	8537109199
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

Connectors / Input / Output	Terminal
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# Graphite® Universal Input Module

## Physical Features

SD Card Slot	No
Flash Drive	No
Contains Battery	No

## Certifications and Standards

RoHS Compliant	Yes
CE	Yes
FCC	No
UKCA	No
UL	Yes
ATEX	Yes
DNV	No
KC	No
Vibration and Shock	Shock: IEC 68-2-27: Operational 40 g (10 g, modules w/ relays)