

ANALOG INPUT MODULE (CAIM)

Compatible with CONNEX 3D™ Flexible Meter

The Analog Input/Output Module for the CONNEX 3D™ Flexible Meter provides the input from a variety of standard analog inputs such as flow, level, pressure, temperature, pH and analytical inputs to standard field instruments and measurements. Analog input modules offer superior isolation and filtering for input and output to meet integrated system monitoring solutions. High data integrity for scalable measurements facilitate conversion to serial RS-485 digital communications using MODBUS RTU (Master & Slave) on three isolated communication ports. Easy plug in connection to the CONNEX 3D™ Digital Display Module (CDDM), CONNEX 3D™ Pump and Relay Control Module (DXM1), CONNEX 3D™ TCP/IP Ethernet Module (C485), CONNEX 3D™ Data Logger and Cellular Modem Module (CELL) and CONNEX 3D™ Radio Module (CDRM) for high performance wired or wireless monitoring.

HOW CONNEX 3D™ WORKS

The CONNEX 3D™ Flexible Process Meter is a revolutionary concept in the process instrumentation market. It is flexible, versatile and adaptable due to the variety of modules that connect to each other. Think of the modules like Legos®, pick and choose from a wide variety of options that plug into your CONNEX 3D to create a unique system to fit your exact needs.

COMPATIBLE MODULES



Digital Display



Analog Inputs



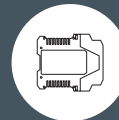
Cellular



AC or DC Power Supply



TCP/IP Ethernet



Radio



Data Logger



Relay and Pump Control

SPECIFICATIONS

ANALOG INPUT MODULE	
ANALOG INPUTS	Up to 4 channels
ISOLATION	Complete Analog Out
RESOLUTION	12 Bits
I/O MODE	Voltage & Analog - Current
INPUT RANGE	4 to 20 mA
ACCURACY	0.1%FSR @ 25°C, 0.5%FSR@ -40 and 75°C
SAMPLING RATE	1.5 samples / sec
BUILT-IN RESISTOR FOR CURRENT INPUT	240 ohms
POWER REQUIREMENTS	10-28 VDC

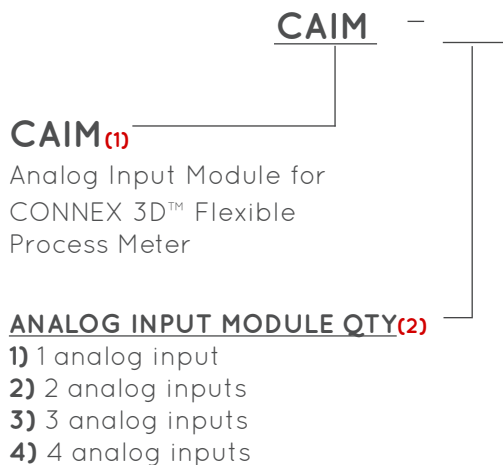
ANALOG OUTPUT	4-20mA isolated output
TRANSMITTER POWER SUPPLY	10 to 30 VDC or 90 to 240 VAC 50/60 Hz
SERIAL	2
INTERFACE	2 RS-485 with 3-wire terminal blocks
PARITY	Non-Fixed
DATA BITS	8
STOP BITS	1, 2
BAUDRATE	9600 to 921600
PROTOCOLS	Modbus RTU (Master, Slave)
Specifications are subject to change without notice.	

ORDERING INFORMATION

FLO-CORP MODEL NUMBER BUILDER

For Assistance Call **877.356.5463**

Example: CAIM-2 Analog Input/Output Module for the CONNEX 3D™ Flexible Meter with 2 analog inputs



ORDERING NOTES

- (1) Compatible with the CONNEX 3D™ Flexible Process Meter
- (2) If more than 2 analog inputs are required, the Optimum Enclosure (OE) is required

CONNEX 3D™ Flexible Process Meter

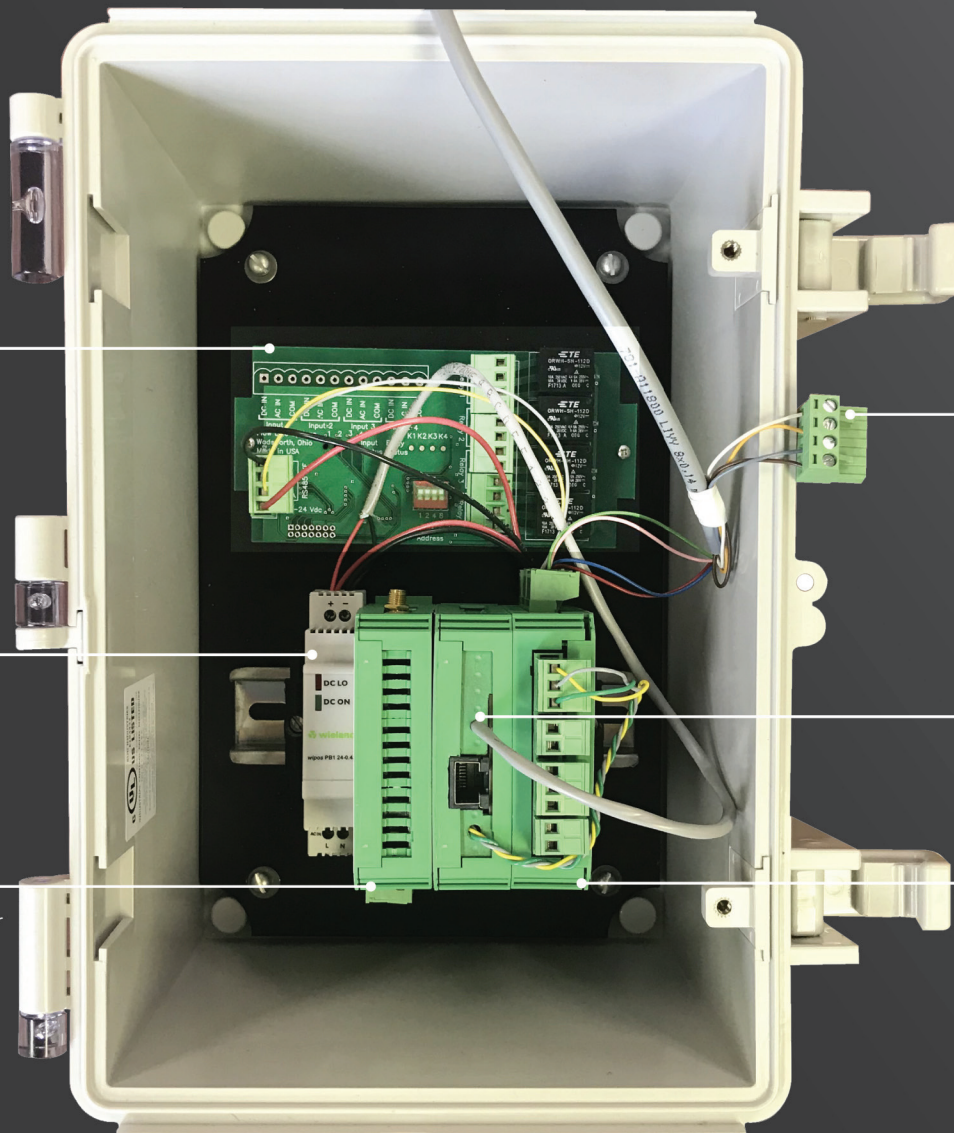
Pick and choose from a wide variety of modules to create the best fit

Select > Connect > Monitor

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digital display
module (CDDM)



relay module (DMX1)

AC/DC power supply
module (CPSM)

cellular and datalogger
module (CELL-CDDL)

auxiliary plug

TCP/IP ethernet
module (C485)

analog input
module (CAIM)