



CELLULAR MODULE (CELL)

Compatible with CONNEX 3D™ Flexible Meter

The Cellular Module equips your CONNEX 3D™ Flexible Process Meter with the ability to remotely monitor the application wirelessly through cellular data transmission to a cloud based server. The server can be displayed on any PC, smartphone, tablet, or any device with a web browser. The cellular module includes a built-in data logger with up to 32,000 samples of data stored for field retrieval and/or cellular transmission in one upload. The network capabilities feature compatibility with cellular networks, point-to-point networks, and wired networks. The cost-saving hardware and software design provides process control and monitoring, data gathering, data reporting, alarm alerting via SMS and email, alarm historian and more.

FEATURES & BENEFITS

- RS485 Field Connectivity
- 3G Frequency Bands with low power draw
- CDMA or GSM, LTE, Class 3
- FCC Part 15 Class B Compliant
- ATT and Verizon certified
- Simplify I/O management with innovative software
- Single or Multi-channel flow or level or any process monitoring
- Network compatible with cellular, point-to-point, and wired network
- Cloud based server for unlimited monitoring
- 5 year warranty

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



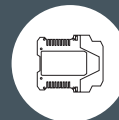
Cellular



AC or DC Power Supply



TCP/IP Ethernet



Radio



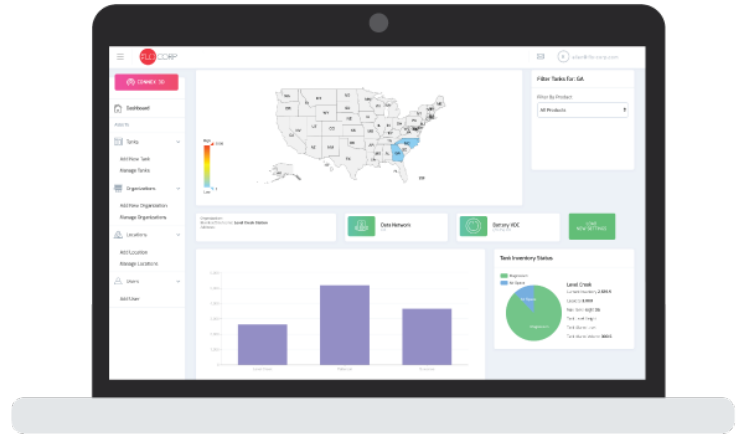
Data Logger



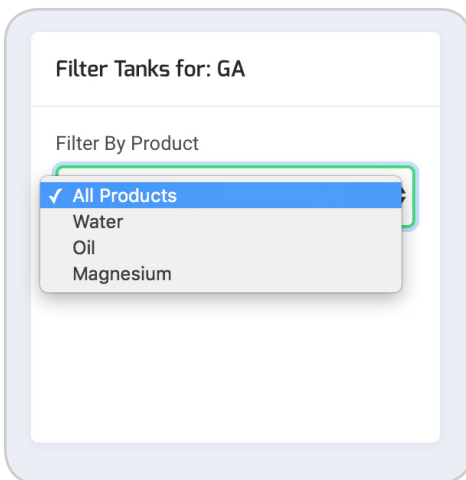
Relay and Pump Control

ONLINE PORTAL

FLO-CORP'S online tank and asset monitoring portal is online anything on the market today. The CONNEX 3D™ software is able to monitor multiple tanks at one time, check network and battery status, view tank inventory, history, and alarm information. The cloud-based software can be accessed through a smart phone, tablet, or any device with a web browser.



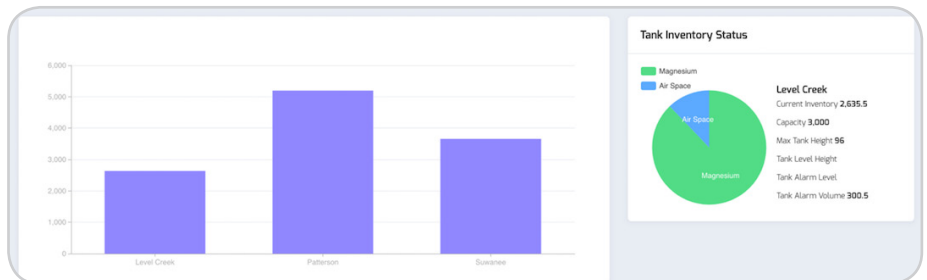
Filter tanks by product



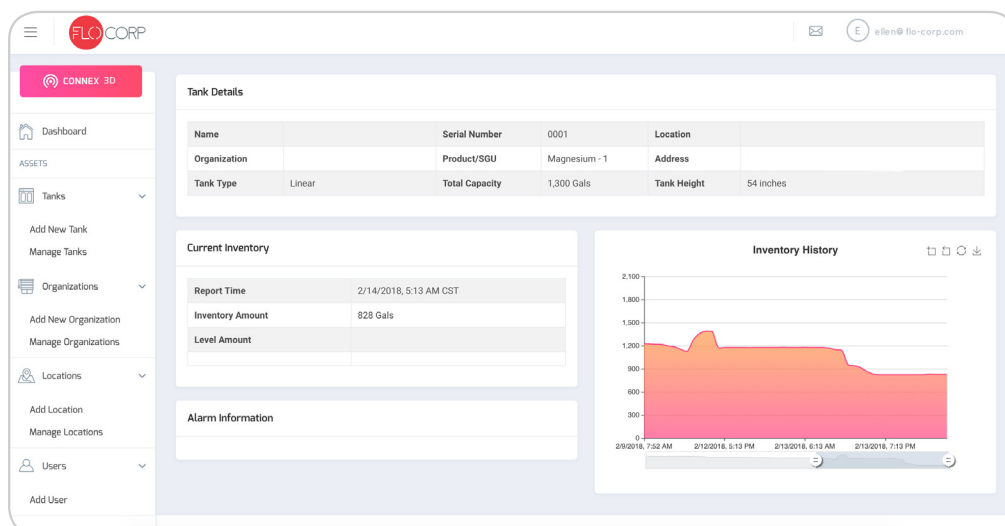
Check the network status and battery levels



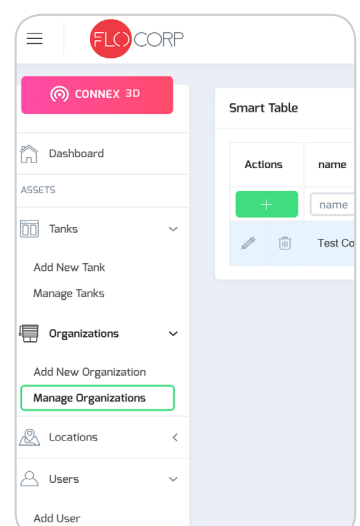
Monitor multiple tanks at one time



View current tank inventory, history, and alarm information



Add VDC users to portal



SPECIFICATIONS

CELLULAR MODULE		
CARRIER	ATT, T-Mobile	Verizon, Sprint
PERFORMANCE	HSPA	EV-DO rev A
FREQUENCY BANDS	3G: 850/900/1700 2G: 850/900/1800/1900	800/1900
TCP/IP	FTP, SMTP, TCP, UDP	
POWER DRAW	5VDC, 19mA sleep, 28mA idle, 397mA max.	5VDC; 22mA sleep, 34mA idle, 423mA max.
INPUT POWER	3.3V - 5VDC	3.3V - 5 VDC
OPERATING TEMPERATURE	-35º to 185ºF	-40º to 185ºF
STORAGE TEMPERATURE	-40º to 185ºF	-40º to 185ºF
HUMIDITY	20% to 90% RH, non - Condensing	
EMC COMPLIANCE	FCC Part 15 Class B, EN55022, EN55024	FCC Part 15 Class B
RADIO COMPLIANCE	FCC Part 22, FCC Part 24, RSS 132, RSS 133, EN 301 511, EN 301, 489-1, EN 301 489-7, EN 301 489-24	FCC Part 22, FCC Part 24
NETWORK	PTCRB	N/A
DATA LOGGER SPECIFICATIONS		
INPUT VOLTAGE	12-28 VDC	
INPUT POWER	85mW min, 2W max (during Cell Xmit)	
INPUT CURRENT	7mA min, 130mA max @ 12Vdc input	
INPUT PROTECTION	Reverse diode protected, auto resettable fuse	
CLOCK	24 Hour Format, battery backed	
FLASH MEMORY FOR DATA STORAGE	4 MB, 26K data records	
SENSOR COMMUNICATIONS I/F	RS-485 Modbus RTU @ 9600 Baud	
PC APP I/F	Logic Level Serial @ 9600 Baud	
SWITCHED DC POWER FOR SENSOR	Vin at 200mA max	
OPERATING MODES	Standalone Data Logger, 2G or 3G Cell Modem for FTP Upload to server	
Specifications are subject to change without notice.		

ORDERING INFORMATION

FLO-CORP MODEL NUMBER BUILDER

For Assistance Call **877.356.5463**

Example: **CELL** Cellular Module for CONNEX 3D™ Flexible Process Meter



ORDERING NOTES

(1) Compatible with the CONNEX 3D™ Flexible Process Meter

CONNEX 3D™ Flexible Process Meter

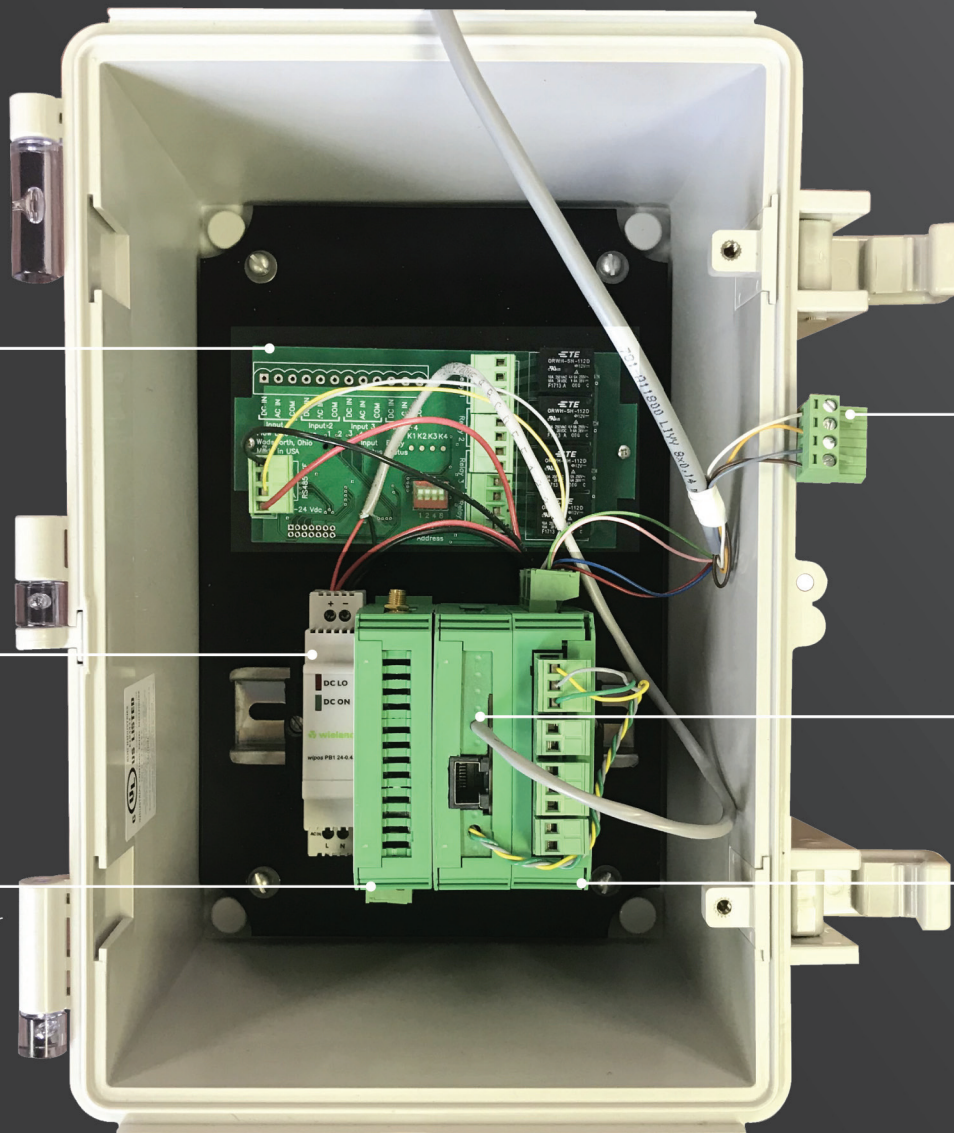
Pick and choose from a wide variety of modules to create the best fit

Select > Connect > Monitor

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digital display
module (CDDM)



relay module (DMX1)

auxiliary plug

AC/DC power supply
module (CPSM)

TCP/IP ethernet
module (C485)

cellular and datalogger
module (CELL-CDDL)

analog input
module (CAIM)