5.7" Remote Display for Ultra™ Series C Ultrasonic Flowmeter

Bulletin SSLS008 Issue/Rev. 0.1 (1/18)

Description

The Ultra Series Remote Display is a touch screen interface designed to function as an HMI for the Ultra Series Ultrasonic flow meter and other compatible TechnipFMC devices with a web based interface. The display is mounted inside an explosion proof, Class 1 Div 1 (IECEx/ATEX Zone 1) enclosure for use in a hazardous environment.

Operation

The remote display connects to the desired device either through a direct connection to one of the meter's Ethernet ports or through an IP protocol Ethernet network. The display connection is established by linking the meter's IP address. The remote display can connect to a specific meter on the network by entering the meter's unique electronic serial number. Once configured, the remote display will connect to the target device automatically.

Remote Display Benefits

- **Hazardous Area Classifications** – Explosion proof enclosure for location in hazardous classified areas.
- **Automatic Connection** – Automatically detects Ultra Series ultrasonic flow meters by serial number for simple setup.
- **Touch Screen Display** – Responsive touch screen display can be operated with gloved hands for use in all weather conditions.
- **Multifunction Capability** – Software can link to any TechnipFMC device with a web based interface.
- **Sealing for Custody Transfer Measurement** – Hardware and software can be sealed to meet the custody transfer requirements.

Housing Material

Cast aluminum - Standard
Stainless Steel - Optional

Instrument Power

24 Vdc, +20% / -15%, 7W
Power input is reverse current protected and fused.

Electrical Outputs Communications

Ethernet

IEEE 802.3, 10/100Base-TX (Ethernet over twisted pair). Auto-MDIX – Will work with straight or crossover cable automatically

RJ-45 connector per port

Maximum distance between Ethernet devices: 100m (328ft)

Recommended cable: Category 5 or better

Safety Classifications

5.7" Remote Display: Touch Screen Control Interface (TCI)

The Explosion Proof Certification UL, C-UL, ATEX, IECEx

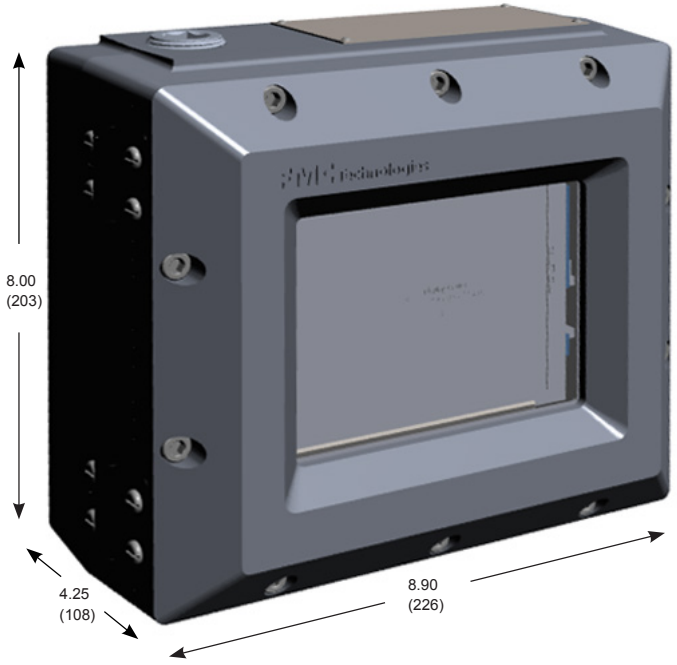
ATEX (European Community)
DEMKO 13 ATEX 1204991X

IECEx (Global Approach)
IECEx UL 13.0019X
Ex d ib IIB T5 Gb IP66 Tamb = -40°C to 60°C (Display)

UL/CUL (North American)
UL File E23545
Class I, Division 1, Groups C & D Class I, Zone 1, Groups IIB T5, IP66 Enclosure
Tamb = -40°C to 55°C (Display)

Dimensions

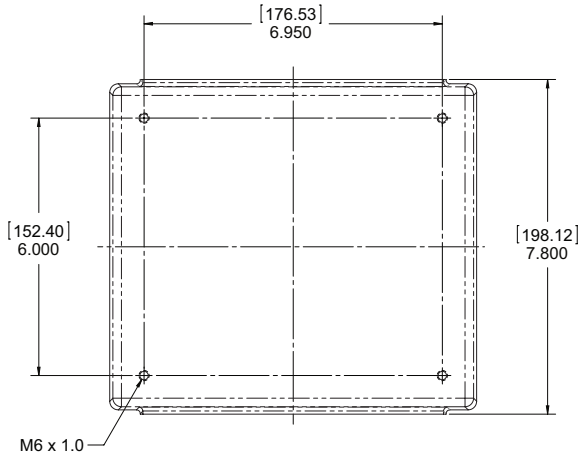
Depth (D): 4.25" (108 mm)
Height (H): 8.00" (203 mm)
Width (W): 8.90" (226 mm)
Weight: 15 lbs (6.8 kg)



Mounting Instructions

Mount the Remote Display to a back plate.

Bolt size: M6
Bolt spacing: Width: 6.95" (176.53)
Height: 7.8" (198.12)



Catalog Code

Remote Mounted Display: 5.7" Touch Screen Control Interface (TCI)					
TCI	1	2	3	4	5
	E	A	S	N	S

Position 1: Hazardous Location Certification

E – Explosion Proof Certification

Position 2: Housing Material

A – Aluminum
S – 300 Series Stainless Steel

Position 3: Housing Style

S – Surface Mount

Position 4: Housing Entrances

M – M20 Thread
N – ½" NPT Thread

Position 5: Software

S – Standard
X – Special

Model	Options and Option Combinations	Maximum Power (based on estimates)
TCI - E - (A or S) - S - (M or N) - S	Display board assembly	7W

TechnipFMC.com

FMCTechnologies.com/MeasurementSolutions

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