

Group Four Transducer's Digital HMI display 4470 offers 7" touchscreen TFT, LED backlit display for digital load cells. It shows load values, force values, allows you to set the digital load cell parameters, calibrate it and display its readings. Its software is customizable, and application based.



FEATURES

- 7" 800x480 TFT LCD, LED Backlight
- Slim design
- PCB coating process ensures high reliability to resist from corrosive in harsh environment
- Com1/Com3 RS485 dual isolation design ensures reliable operation in complex grounding application
- Fan-less cooling system
- NEMA4/IP65 compliant front panel
- Specially developed for Group Four's digital load cells
- Use it for displaying load values, force measurements
- Digital load cell parameter setting
- Digital load cell calibration
- Customizable
- Easy-builder software

APPLICATIONS

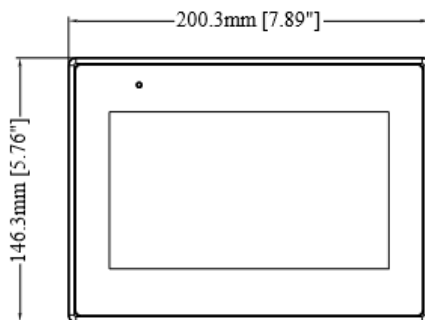
- Digital load cells

OPTIONS

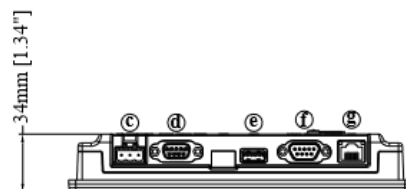
- 4.3" & 10"

DIMENSIONS

Front View



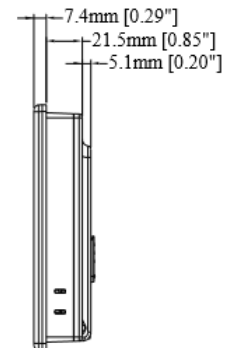
Bottom View



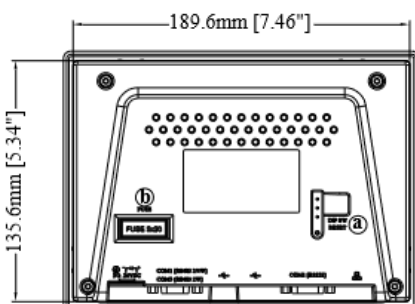
Top View



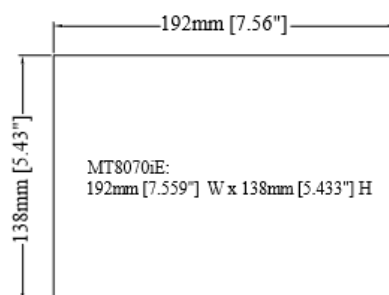
Side View



Rear View



Cutout Dimensions



a.	DIP SW & Reset Button
b.	Fuse
c.	Power Connector
d.	Com1 RS485 2W/4W, Com3 RS485 2W
e.	USB Host Port
f.	Com1 RS232
g.	Ethernet Port

SPECIFICATIONS

Model	4470	
Display	Display	7" TFT
	Resolution	800 x 480
	Brightness (cd/m ²)	350
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs
	Colors	16M
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Storage (MB)	128
	RAM (MB)	128
Processor		Cortex A8 32Bit RISC 600MHz Processor
I/O Port	USB Host	USB 2.0x1
	Ethernet	1 RJ45 port (10/100 Base-T)
	COM Port	Com1: RS-232/RS-485 2w/4w, Com3:RS-485 2w
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Consumption	350mA@24VDC
	Voltage Resistance	500VAC (1min)
	Isolation Resistance	Exceed 50M at 500VDC
	Vibration Endurance	10 to 25Hz (X,Y,Z direction 2G 30 minutes)
Specification	Enclosure	Plastic
	Dimensions WxHxD	200.3 x 146.3 x 34mm
	Panel Cutout (mm)	192 x 138
	Weight (kg)	Approx. 0.6kg
Environment	Protection Structure	NEMA4 / IP65
	Storage Temperature	-20°~60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% @ 40°C (non-condensing)
Certificate	CE	EN 55022:2010 Class B EN 55024:2010 EN 61000-3-2:2006+A2:2009 EN 61000-3-3: 2008 AS/NZS CISPR 22:2009+A1:2010
	UL	UL508 Type 4X
Software		Easybuilder Pro V3.00.01 or later verisons

PIN DESIGNATIONS

PIN#	Symbol	COM1(RS232)
1	Not used	
2	RxD	Received Data
3	TxD	Transmitted Data
4	Not used	
5	GND	Signal Ground
6	Not used	
7	RTS	Ready to send output
8	CTS	Clear to send input
9	Not used	

Pin #	Symbol	COM1 (RS485)2w	COM1 (RS485)4w	Com3 (RS485)
1	Rx-	Data-	Rx-	
2	Rx+	Data+	Rx+	
3	Tx-		Tx-	
4	Tx+		Tx+	
5	GND1	Ground 1		
6	Not used			
7	Data-			Data-
8	Data+			Data+
9	GND2			Ground 2