

Group Four Transducer's Digital HMI display 44100 offers 9.7" touchscreen TFT, LED back lit 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

- 9.7" 1024x768 TFT LCD, LED Back light
- 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

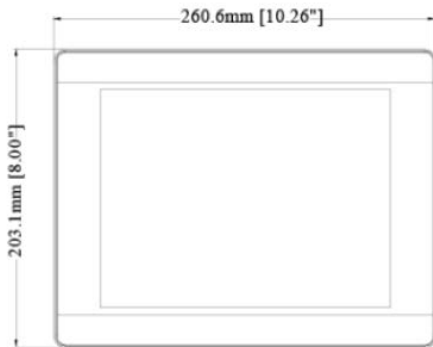
- Digital load cells

OPTIONS

- 4.3" & 7"

DIMENSIONS

Front View



Bottom View



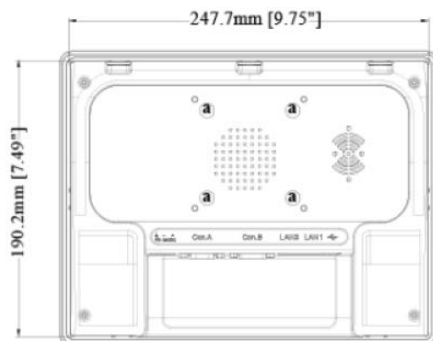
Side View



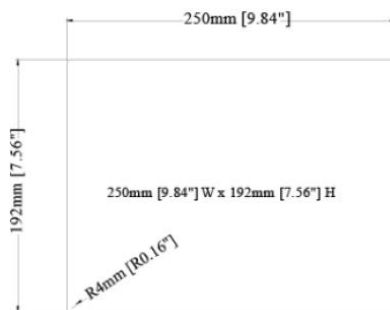
Top View



Rear View



Cutout Dimensions



a.	VESA 75mm Screw Holes
b.	Power Connector
c.	COM2 RS-485, COM3 RS-485, CAN Bus (Con. A)
d.	Com1 RS-232, Com3 RS-232 (Con. B)
e.	LAN 2
f.	LAN 1
g.	USB Host Port

SPECIFICATIONS

Model	44100	
Display	Display	9.7" TFT
	Resolution	1024 x 768
	Brightness (cd/m ²)	350
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs
	Colors	262K
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash (MB)	4 GB
	RAM (MB)	1 GB
Processor	Quad-Core RISC	
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	400mA@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	260.6 x 203.1 x 44.5mm
	Panel Cutout (mm)	250 x 192
	Weight (kg)	Approx. 1kg
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 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 V6.04.01 or later versions	

PIN DESIGNATIONS

Con.B: COM1/COM3 (RS232)/9 Pin, Male, D-sub

PIN#	COM1 (RS232)4W	COM3(RS232)2W
1		
2	RxD	
3	TxD	
4		
5	GND	
6		
7	RTS	RxD
8	CTS	TxD
9	GND	

Con. A: COM2/COM3 (RS485)/CAN Bus, 9 Pin, Female, D-sub

Pin #	COM2 (RS485)2W	COM2 (RS485)4W	COM3 (RS485)2W	CAN Bus
1	Data-	Rx-		
2	Data+	Rx+		
3		Tx-		
4		Tx+		
5	Ground 1			
6			Data+	
7				CAN_L
8				CAN_H
9			Data-	