

Group Four Transducer's Digital HMI display 4443 offers 4.3" 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

- 4.3" 480x272 TFT LCD, LED Backlight
- Slim design
- PCB coating process ensures high reliability to resist from corrosive in harsh environment
- 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

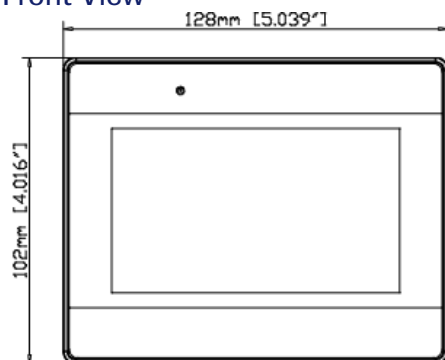
- Digital load cells

OPTIONS

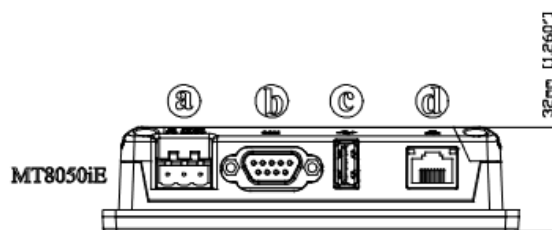
- 4.3" x 10"

DIMENSIONS

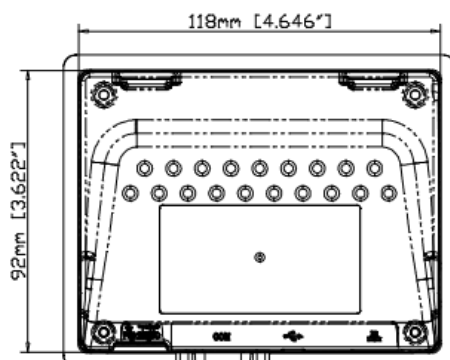
Front View



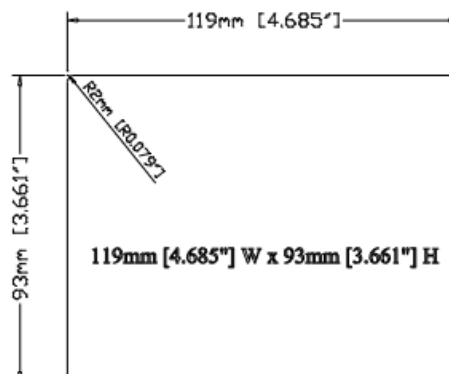
Bottom View



Rear View



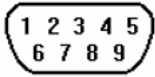
Cutout Dimensions



SPECIFICATIONS

| | | |
|---------------|--|--|
| Model | 4443 | |
| Display | Display | 4.3" TFT |
| | Resolution | 480 x 272 |
| | Brightness (cd/m ²) | 500 |
| | 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 | 32 bits RISC Cortex-A8 600MHz | |
| 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 | 300mA@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 | 128 x 102 x 32mm |
| | Panel Cutout (mm) | 119 x 93 |
| | Weight (kg) | Approx. 0.25kg |
| 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 | CE Marked |
| Software | Easybuilder Pro V4.00.01 or later verisons | |

PIN DESIGNATIONS



Pin assignment of the 9 Pin, Male, D-sub
 Com1(RS-232), Com1(RS-485 2w/4w),
 Com3(RS-485)

| | |
|----|--|
| a. | Power Connector |
| b. | Com1: RS-232/RS-485 2w/4w, Com3:RS-485 2w |
| c. | USB Host |
| d. | Ethernet Port |

| Pin # | Com1 (RS485) | | Com2 (RS232) | Com3 (RS485) |
|-------|---------------------|--------|----------------|--------------|
| | 4 wire | 2 wire | | |
| 1 | Rx- | Data- | | |
| 2 | Rx+ | Data+ | | |
| 3 | Tx- | | | |
| 4 | Tx+ | | | |
| 5 | Signal Ground (GND) | | | |
| 6 | | | Transmit (TxD) | |
| 7 | | | | Data- |
| 8 | | | | Data+ |
| 9 | | | Receive (RxD) | |