PowerView™ Model PV750

Features
- CAN-based display with fully modular design
- Customize the bezel, buttons, I/O interface and more
- Configuration software for OEMs available
- Bonded LCD screen viewable in direct sunlight
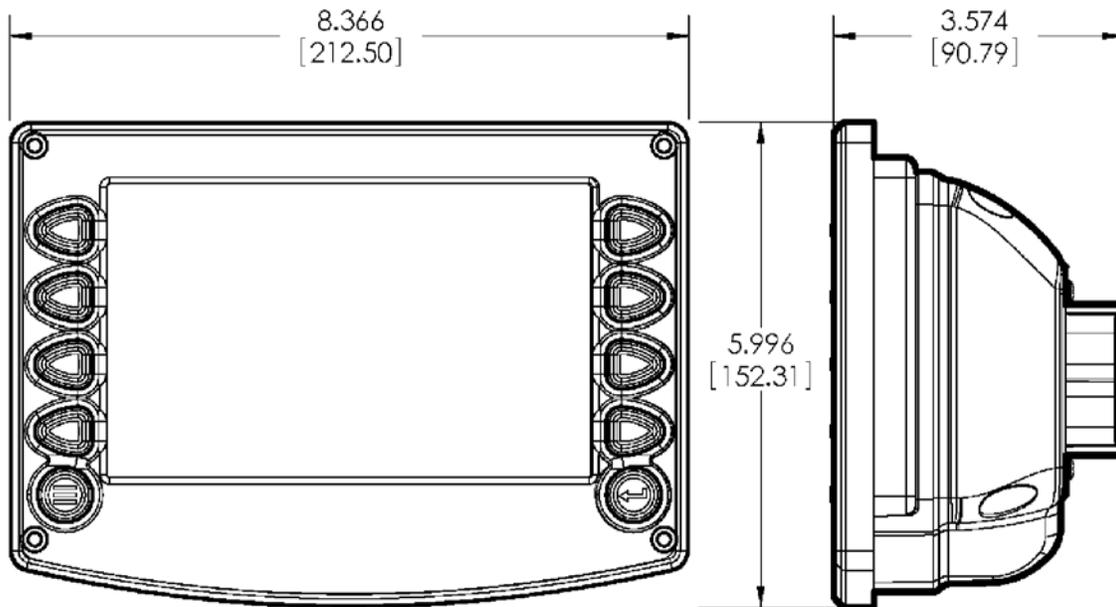- Rugged / Reliable Design
- Endless possibilities

The PowerView 750 display features a fully modular design. Any of the major components can be redesigned and assembled to meet your exact needs. It's an incredible amount of customization with minimal non-recurring engineering costs.

You can change the shape of the bezel and buttons. You can rework the I/O board to add extra input. You can add custom graphics and company branding to the interface.

The PowerView 750 display also has configuration software for OEMs available, so you can continue to make quick and easy changes to the onscreen display.

The PV750 display is also highly durable. See the full specs on the back of this sheet for a full over-view of its technical features.

Dimensions

Specifications

Technical
Display: 7" / 178mm color transmissive TFT LCD
Resolution: WGA, 800 x 480 pixels, 16-bit color
Aspect Ratio: 16:9
Orientation: Landscape or portrait
Backlighting: LED, 400-500 cd / mC (50,000 h lifetime)
Microprocessor: Freescale iMX 31 32bit, 400Mhz
QNX Operating System
Flash Memory: 2 GB
RAM: 128 Mbytes SDRAM
SD storage (optional): for program updates, map data, diagnostic data storage
Operating Voltage: 6-35 VDC, protected against, reverse polarity and load-dump
Power Consumption: 10w full backlight; 22w full backlight with heater (<-10 °C)
CAN: 3 CAN ports according to CAN specification 2.0A or 2.0B; one port isolated according to NMEA 2000 (GPS)
RS485: 1 MODBUS Master/Slave port, PVA Gage
Video input: optional NTSC/PAL
Protocols: J1939, NMEA 2000 (GPS), CANOpen protocol support.
Connection: 5 Deutsch DT 6-pin connectors
Keyboard: 10 tactile buttons
USB 2.0 host (full speed)
Output Digital: (1) capable of syncing 500mA
Inputs: (3) 0-5 VDC analog inputs. (1) input configurable to support measurement frequencies from 2Hz - 10kHz and PWM values from 0-100% duty cycle.

Environmental
Operating Temperature: -40°C to +85°C
Storage Temperature: -40°C to +85°C
Protection: IP67, front and back.
Emissions: IEC 60945, 95/54/EC
Immunity: SAE J1113, ISO 11452
Vibration: Random vibration, 7.86 Grms (5-2000 Hz), 3 axis
Shock: +/- 50G in 3 axis

Mechanical
Dimensions: 8.37 x 6.0 in. (212.5 x 152.3 mm) landscape
Unit Depth: 3.57 in. (90.8 mm)
Case material: Polycarbonate back case