



MURPHY®

RUGGED, RELIABLE, ROBUST MID-RANGE, FULL COLOR DISPLAY

THE POWERVIEW™ 450

Rich Feature Set.
Fully Customizable.
Compact Size.

Compact size to fit your application

Bonded LCD for optimum viewability

Streamlined modular design

Easy-to-use configuration software

Data logging

Customizable bezel, buttons,
I/O interface and more



The PowerView 450 is a compact, fully configurable display designed for use in modern electronic engines. It integrates electronic engine, transmission and equipment information into an easy to read, full-color interface.

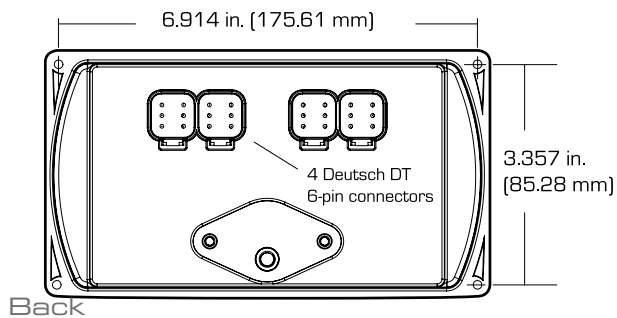
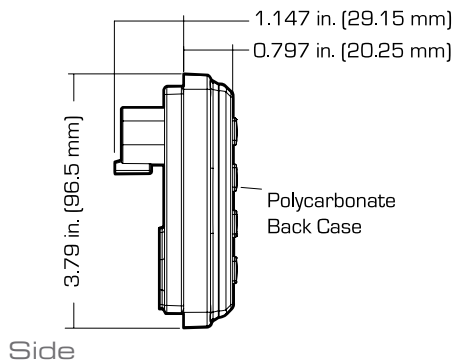
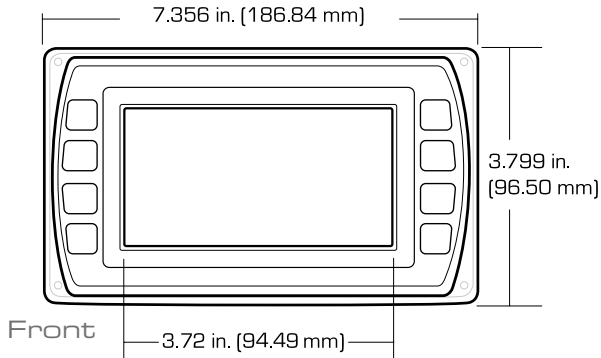
The PV450 features a 4.3-inch screen perfect for applications with tighter spaces, and it delivers the same powerful performance as Murphy's larger configurable displays. In addition, the PV450 display meets the requirements for Tier4/Euro Stage IIIB emissions monitoring from the factory.

Customize the PV450 with Murphy's PowerVision Configuration Studio™, a powerful tool that allows you to customize the look and feel of equipment screens, customize parameters, edit troubleshooting information, add company branding and more.



THE POWERVIEW™ 450

STANDARD DIMENSIONS



TECHNICAL SPECS:

- Display: Bonded 4.3"/109mm color transmissive TFT LCD
- Resolution: WQVGA, 480 x 272 pixels, 16-bit color
- Aspect Ratio: 16:9
- Orientation: Landscape or portrait
- Backlighting: LED, 500-650 cd/m² (30,000 hr lifetime)
- Microprocessor: Freescale iMX35, 32bit, 532MHz
- QNX Real-Time Operating System
- Flash Memory: 256 MB (expandable to 8GB)
- RAM: 128MB DDR2 SDRAM
- USB 2.0 host (full speed)
- Operating Voltage: 6-32 VDC, reverse polarity and load-dump protected
- Power Consumption: 10W max
- CAN: Two CAN 2.0B; optional NMEA 2000 isolation
- RS 485: 1 MODBUS Master/Slave port, PVA
- Optional video input: Two NTSC/PAL input channels (one displayed at a time)
- Protocols: J1939, NMEA 2000, CANopen, Freeform CAN
- Connection: 4 Deutsch DT 6-pin connectors
- Keyboard: 8 tactile buttons
- Input: 1 Resistive, 0-5V, or 4-20mA (software configurable)
- Output: 1 open-drain, capable of syncing 500mA
- Real-Time clock with battery backup

ENVIRONMENTAL

- Operating Temperature: -40°C to 85°C (-40° to 185°F)
- Storage Temperature: -40°C to 85°C (-40° to 185°F)
- Protection: IP 66 and 67, front and back
- Emissions and Immunity:
 - Electromagnetic Compatibility: 2004/108/EC
 - EN 61000-6-4
 - EN 61000-6-2 (immunity)
 - EN 501121-3-2
 - EN 12895
 - J1113/2, 4, 11, 12, 21, 24, 26 and 41
- Vibration: 7.86g random vibrate [5-2,000Hz] in 3 axis
- Shock: ±50g in 3 axis

ADDITIONAL OPTIONS

- LCD Touchscreen (projected) capability

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