

Compact size to fit your application

Bonded LCD for optimum viewability

Easy-to-use configuration software

Customizable bezel, buttons, I/O interface and more



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

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 IV emissions monitoring from the factory.

BUILT FOR POWERSVISION

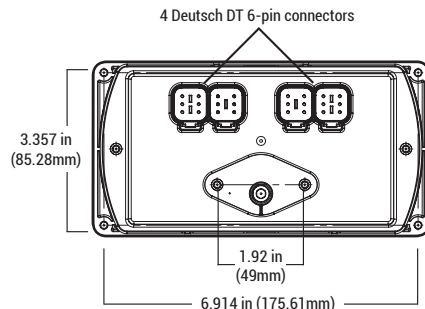
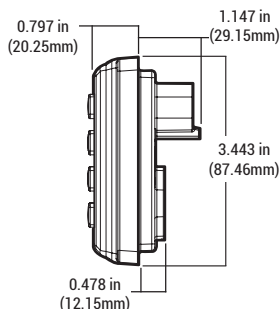
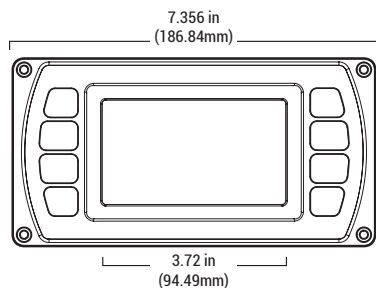
PowerVision Configuration Studio® software lets programmers design stunning user interfaces, create intelligent applications with scripting and prototype quickly with a vast library of standard engine parameters.



POWerview® 450

1000023 01-2019

PV450 DIMENSIONS



PV450 SPECIFICATIONS

| COMPUTING | |
|-------------------------|--|
| MICROPROCESSOR | Freescalo iMX35, 32bit, 532MHz |
| OPERATING SYSTEM | QNX® Realtime Operating System |
| STORAGE | 256 MB flash memory (expandable to 8GB) |
| RAM | 128MB DDR2 SDRAM |
| DISPLAY | |
| SCREEN SIZE | 4.3 inches |
| TYPE | 109mm color transmissive TFT LCD |
| RESOLUTION | WQVGA, 480 x 272 pixels, 16-bit color |
| ORIENTATION | Landscape or portrait |
| BRIGHTNESS | 500-650 cd/m ² |
| HARDWARE | |
| REAL TIME CLOCK | Available with battery backup |
| KEYPAD | 8 tactile buttons |
| CONNECTORS | 4 Deutsch DT 6-pin connectors |
| VIDEO INPUTS | (Optional): (2) NTSC/PAL (single channel viewable) |
| COMMUNICATION | |
| CAN | Two CAN 2.0B; optional NMEA 2000 isolation |
| SERIAL | RS 485: 1 MODBUS Master/Slave port, PVA |
| USB | USB 2.0 full speed host |

| ELECTRICAL | |
|------------------------------|--|
| OPERATING VOLTAGE | 6-32 VDC, reverse polarity and load-dump protected |
| INPUTS | (1) Analog 0-5 VDC, 4-20 mA, resistive |
| OUTPUTS | (1) 500 mA switched low-side |
| ENVIRONMENTAL | |
| OPERATING TEMPERATURE | -40°C to 85°C (-40° to 185°F) |
| STORAGE TEMPERATURE | -40°C to 85°C (-40° to 185°F) |
| PROTECTION | IP66 and 67, front and back |
| VIBRATION | 7.86g random viba (5-2,000Hz) in 3 axes |
| SHOCK | ±50G in 3 axes |
| EMC/EMI | Electromagnetic Compatibility: 2004/108/EC EN 61000-6-4 EN 61000-6-2 (immunity) EN 50121-3-2 EN 12895 J1113/2, 4, 11, 12, 21, 24, 26 and 41 |
| SAE | J1113/2, 4, 11, 12, 21, 24, 26 and 41 |

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

FOR MODEL & PART INFORMATION

ENOVATIONCONTROLS.COM/PV450

FOR MANUAL & SUPPORT DOCUMENTS

SUPPORT.ENOVATIONCONTROLS.COM

FOR SUPPORT & WARRANTY

ENOVATIONCONTROLS.COM/SUPPORT

SALES CONTACT

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