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 POWERVISION

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.
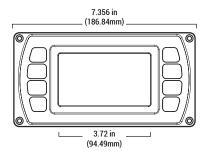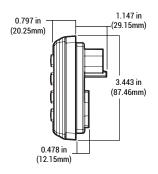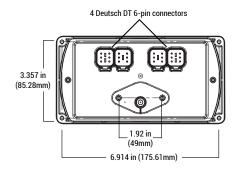
Tier4 Final ready Stage IV

CSA C ® US

IP 67

POWERVIEW® **450**

PV450 DIMENSIONS

7.356 in
(186.84mm)

3.72 in
(94.49mm)

0.797 in
(20.25mm)

1.147 in
(29.15mm)

3.443 in
(87.46mm)

0.478 in
(12.15mm)

4 Deutsch DT 6-pin connectors

3.357 in
(85.28mm)

1.92 in
(49mm)

6.914 in (175.61mm)

PV450 SPECIFICATIONS

COMPUTING

MICROPROCESSOR	Freescale 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 vibe (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

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FOR MODEL & PART INFORMATION
ENOVATIONCONTROLS.COM/PV450

FOR MANUAL & SUPPORT DOCUMENTS
SUPPORT.ENOVATIONCONTROLS.COM

FOR SUPPORT & WARRANTY
ENOVATIONCONTROLS.COM/SUPPORT

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FM 29422 (UK)