

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

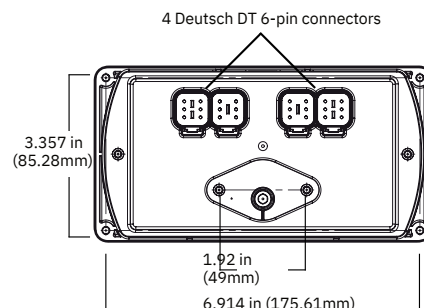
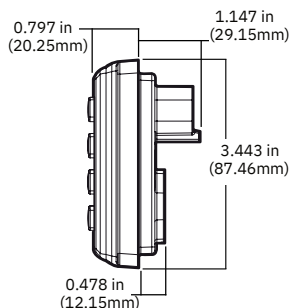
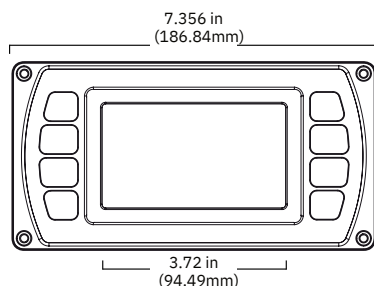
PowerVision Configuration Studio® software lets programmers design stunning user interfaces, create intelligent applications with scripting and prototype quickly with a vast library of standard engine parameters.



POWerview® 450

1000023 01-2019

PV450 DIMENSIONS



PV450 SPECIFICATIONS

COMPUTING	
MICROPROCESSOR	Freescall 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/m2
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	6-32 VDC, reverse polarity and load-dump
VOLTAGE INPUTS	protected (1) Analog 0-5 VDC, 4-20 mA, resistive
OUTPUTS	(1) 500 mA switched low-side
ENVIRONMENTAL	
OPERATING	-40°C to 85°C (-40° to 185°F)
TEMPERATURE STORAGE	-40°C to 85°C (-40° to 185°F)
TEMPERATURE	IP66 and 67, front and back
PROTECTION	7.86g random vbe (5-2,000Hz) in 3 axes
VIBRATION	±50G in 3 axes
SHOCK	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
EMC/EMI	
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

FOR MANUAL & SUPPORT DOCUMENTS

FOR SUPPORT & WARRANTY

ENOVATIONCONTROLS.COM/PV450

SUPPORT.ENOVATIONCONTROLS.COM

ENOVATIONCONTROLS.COM/SUPPORT

SALES CONTACT

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