



MURPHY®

THE POWERVIEW™
750

MODULAR DISPLAY CUSTOMIZED TO MEET YOUR NEEDS

If you could change anything about your display, what would it be? The shape? The inputs? The interface? How about nearly everything?



CAN-based display, with fully modular design

Easy-to-use configuration software

Rugged / Reliable design

Configurable control buttons

Bonded LCD screen, viewable in direct sunlight

Customized bezel, buttons, i/o interface and more

Multiple languages

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 to meet your requirements, for example:

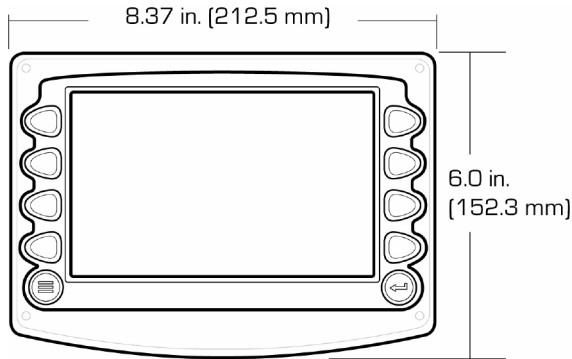
- Change bezel & buttons
- Remove or add I/O
- Customize onscreen graphics
- Brand it with your company logo

The PowerView 750 display is also highly durable. See the full specs on the back of this sheet for a full overview of its technical features.

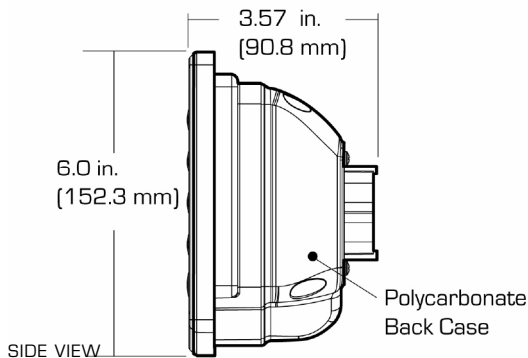


THE POWERVIEW™ 750

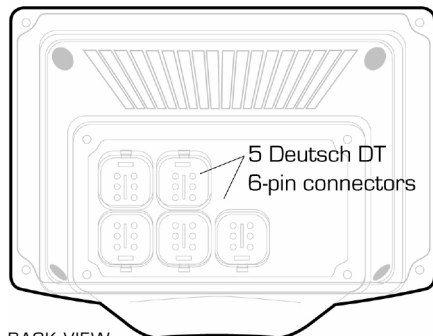
STANDARD DIMENSIONS



FRONT VIEW



SIDE VIEW



BACK VIEW

TECHNICAL SPECS

- Display: 7"/178mm color transmissive TFT LCD
- Resolution: WVGA, 800 x 480 pixels, 16-bit color
- Aspect Ratio: 16:9
- Orientation: Landscape or portrait
- Backlighting: LED, 400-500 cd/m² (50,000 h lifetime)
- Microprocessor: Freescale iMX.31 32bit, 400MHz
- QNX Operating System
- Flash Memory: 2 GB
- RAM: 128 Mbytes SDRAM
- USB: 2.0 host (full speed)
- SD storage (optional): for program updates, map data and 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 2.0B; one port isolated according to NMEA 2000 (GPS)
- RS 485: 1 MODBUS Master/Slave port
- Video input: optional NTSC/PAL
- Protocols: J1939, NMEA 2000 (GPS), CANopen, and Free Form CAN
- Connection: 5 Deutsch DT 6-pin connectors
- Keyboard: 10 tactile buttons
- Inputs: (3) 0-5 VDC analog inputs, (1) input configurable to support measurement frequencies from 2 Hz-10 kHz and PWM values from 0-100% duty cycle
- Output: Digital, capable of sinking 500mA
- Mounting Options: Front Mount, Back Mount, Gimbal Mount

ENVIRONMENTAL SPECS

- Operating Temperature: -40° C to +85° C
- Storage Temperature: -40° C to +85° C
- Protection: IP67, front and back
- Emissions: SAE J1113 or customer specified
- Immunity: SAE J1113 or customer specified
- Vibration: Random vibration, 7.86 Grms (5-2000 Hz), 3 axis
- Shock: +/- 50G in 3 axis

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