

# TSM800 *8" Vessel Monitoring and Control Touchscreen*

The TSM800 is an 8" dedicated touchscreen that comes preloaded with Maretron's N2KView® vessel monitoring and control software. The N2KView® software allows you to configure as many favorite screens as you want with exactly the information you want to see. The TSM800 provides an extremely simple touch interface for monitoring and controlling critical systems from anywhere on the vessel.

The TSM800 is ruggedized for marine use and includes a solid state disk drive to withstand the pounding associated with waves. And since the TSM800 only dissipates 20 watts, there is no need for internal cooling fans that are noisy and wear out causing electronics to overheat and fail. The TSM800 can be mounted outside given the high bright screen and waterproof front.

As an alternative to controlling the TSM800 through the touch screen, the TSM800 includes two USB ports for connecting keyboards, mice, or trackballs. The TSM800 also has an Ethernet port for communicating with an NMEA 2000® network through Maretron's Internet Protocol Gateway (IPG100). Although the TSM800 comes pre-installed with the N2KView® software, a separately purchased license plugged into the IPG100 is required (see IPG100 on page 32 for more details). The Ethernet port is also used for connecting Internet Protocol (IP) cameras for viewing within the N2KView® software.

## Products

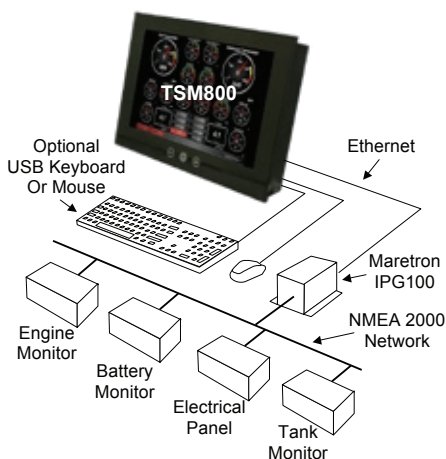
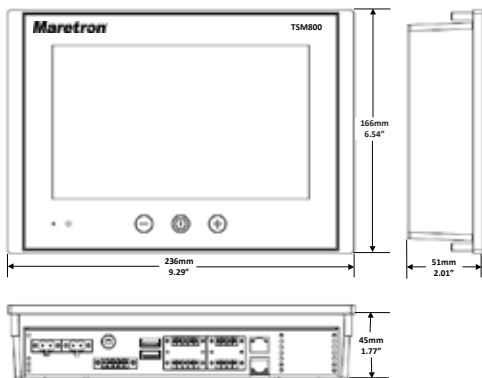
PART NUMBER	DESCRIPTION
TSM800-01	8" Vessel Monitoring and Control Touchscreen



### TSM800 features:

- 8" TFT LCD Panel, LED Backlit
- Widescreen Aspect Ratio 5:3
- 800 x 480 Pixels
- 600 nits Brightness (Optically Bonded)
- Solid State Disk Drive
- Fanless Cooling System
- Flush Mounting Hardware Included
- Optional VESA Mounting Capability





### Specifications

Parameter	Value	Comment
Display Size	8"	LED Backlit LCD with Projected Capacitive Touch Screen
Display Resolution	800x480	WVGA
Display Brightness	600cd/m2	Optically Bonded
Contrast Ratio	600:1	
LCD Color	262K	
Viewing Angle	70° H, 60° V	
Buzzer	85dB	IEC 60945 Compliant
USB Ports	Two USB 2.0	
Ethernet Ports	One RJ-45 GbE	For connection to Maretron IPG100 or router

### Hardware Approvals

Parameter	Comment
IEC 60945	
GL – Germanischer Lloyd	
BV – Bureau Veritas	
IACS E10	
DNV – Det Norske Veritas	
LRS – Lloyd's Register of Shipping	
ClassNK – Nippon Kaiji Kyoaki	
ABS – American Bureau of Shipping	

### Electrical

Parameter	Value	Comment
Operating Voltage	18-32 Volts	DC Voltage, Dual Inputs
Power Consumption	20 Watts	Typical
	30 Watts	Maximum

### Mechanical

Parameter	Value	Comment
Overall Dimensions (DxWxH)	2.01" x 9.29" x 6.54" (51mm x 236mm x 166mm)	
Weight	4.2 lbs (1.9kg)	
Front Panel Material	Glass	
Front Panel Controls	Power, Brightness +/-	
Mounting	4 x M4 VESA mounting 75mm x 75mm	Max 8mm deep
	Built-in console Mounting	4 x M5 x 15mm screws

### Environmental

Parameter	Value
Operating Temperature	-15°C to 55°C (Humidity up to 95%)
Storage Temperature	-20°C to 60°C (Humidity up to 95%)
IP Rating	IP66 Front, IP22 Rear (EN60529)



TSM800 Screen Shots