TSM1330C
13.3" Vessel Monitoring and Control Touchscreen

The TSM1330C is a 13.3" dedicated touchscreen that includes 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 TSM1330C provides an extremely simple touch interface for monitoring and controlling critical systems from anywhere on the vessel.

The TSM1330C is ruggedized for marine use and includes a solid state disk drive to withstand the pounding associated with waves. And since the TSM1330C 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 TSM1330C can be mounted outside given the waterproof front.

As an alternative to controlling the TSM1330C through the touch screen, the TSM1330C includes two USB ports for connecting keyboards, mice, or trackballs. The TSM1330C also has an Ethernet port for connecting Internet Protocol (IP) cameras for viewing within the N2KView® software. Lastly, the TSM1330C contains two completely isolated CAN bus connectors (M12) for easy connection to single or redundant NMEA 2000® networks.
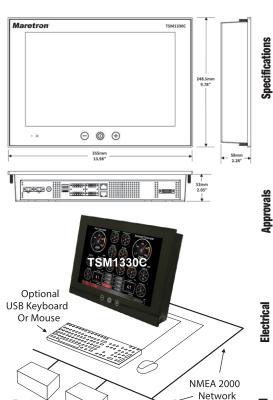
TSM1330C features:

- 13.3" TFT LCD Panel, CCFL Backlit
- Widescreen Aspect Ratio 16:10
- 1280 x 800 Pixels
- 400 nits Brightness (Optically Bonded)
- Solid State Disk Drive
- Fanless Cooling System
- Flush or VESA Mounting
- Dual CAN Bus for Single or Redundant NMEA 2000® Network Connections

Products

PART NUMBER	DESCRIPTION
TSM1330C-01	13.3" Vessel Monitoring and Control Touchscreen (Direct NMEA 2000 Connection)

Maretron®
Vessel Monitoring & Control Systems

Maretron TSM1330C

Optional USB Keyboard Or Mouse

NMEA 2000 Network

Engine Monitor
Battery Monitor
Electrical Panel
Tank Monitor

Specifications

Parameter	Value	Comment
Display Size	13.3"	CCFL Backlit LCD with Projected Capacitive Touch Screen
Display Resolution	1280x800	WXGA
Display Brightness	400cd/m2	Optically Bonded
Contrast Ratio	800:1	
LCD Color	262K	
Viewing Angle	70° H, 60° V	
Buzzer	85dB	
USB Ports	Two USB 2.0	
Ethernet Ports	One RJ-45 GbE	For connection to Maretron IPG100 or router
Controller Area Network (CAN) Ports	Two Waterproof (M12)	Dual NMEA 2000® Connection
Compass Safe Distance	45cm	Standard
	25cm	Steering

Approvals

Parameter	Comment
IEC 60945	
GL – Germanischer Lloyd	
BV – Bureau Veritas	
IACS E10	
DNV - Det Norske Veritas	
LRS – Lloyd's Register of Shipping	Pending
ClassNK – Nippon Kaiji Kyoaki	
ABS – American Bureau of Shipping	
NMEA 2000®	

Electrical

Parameter	Value	Comment
Operating Voltage (Dedicated Supply Connection)	18-32 Volts	DC Voltage, Dual Inputs
Power Consumption (Dedicated Supply Connection)	20 Watts	Typical
	30 Watts	Maximum
Power Consumption (NMEA 2000® Connection)	80mA	Maximum When Transmitting 100%
Load Equivalence Number (LEN)	1	NMEA 2000® Spec. (1 LEN = 50 mA)
Reverse Battery Protection (NMEA 2000® Connection)	Yes	Indefinitely
Load Dump Protection (NMEA 2000® Connection)	Yes	Energy Rated per SAE J1113

Mechanical

Parameter	Value	Comment
Overall Dimensions (DxWxH)	2.28" x 13.98" x 9.78" (58mm x 355mm x 248.5mm)	
Weight	9.7 lbs (4.4kg)	
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)

TSM1330C Screen Shots