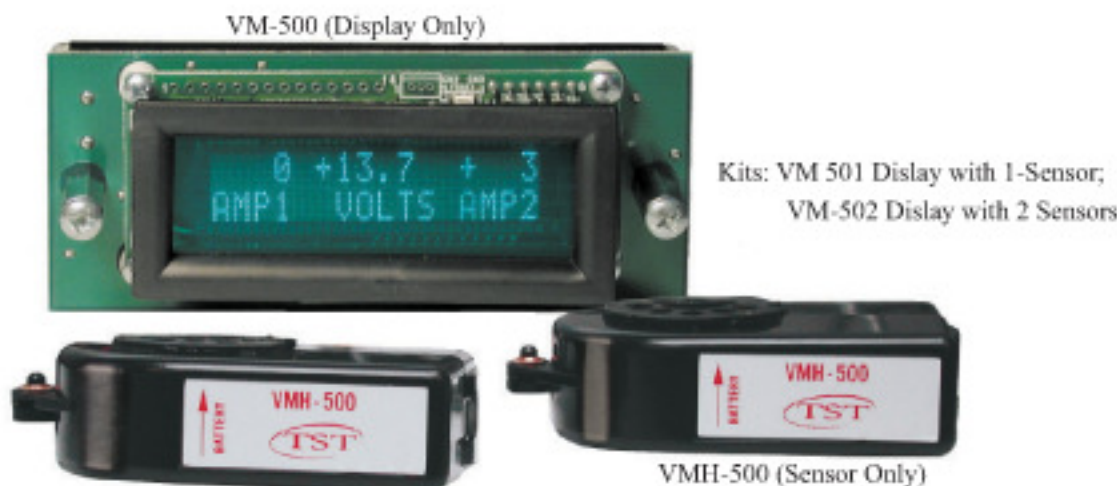


ViewMaster 500

ISO 9001
Certified

Two Amperage Measurements in a Single Instrument!

**A Single Display that includes:
Digital Voltmeter and Dual Ammeter Capability**



The TST ViewMaster 500 (VM-500) is a battery monitoring device capable of displaying a voltage measurement and up to two amperage measurements in a single instrument!

The VM-500 automatically detects and utilizes the TST Hall-effect sensor(s). VMH-500 requires no alterations to the OEM supplied battery cables.

FEATURES:

- ❖ State of the Art, Vacuum Florescent, sun light readable display
- ❖ Auto-Sense feature that automatically adapts display for one, or two ammeter hookups
- ❖ High and Low voltage relay outputs with user selectable and secured pre-sets
- ❖ Visual indication on the Display for both high and low voltage conditions
- ❖ User selectable time frame for detection and displaying of low voltage
- ❖ Display brightness is adjustable using standard headlamp switch control

**Made in the
USA**



TST/Riverside Mfg., LLC
14510 Lima Road
Ft. Wayne, IN 46818

www.tst-corp.com

800-428-4449 Toll Free in USA
260-637-4470 Main
260-637-4472 FAX

www.riversidemfg.com



A Division of
RIVERSIDE MFG. LLC

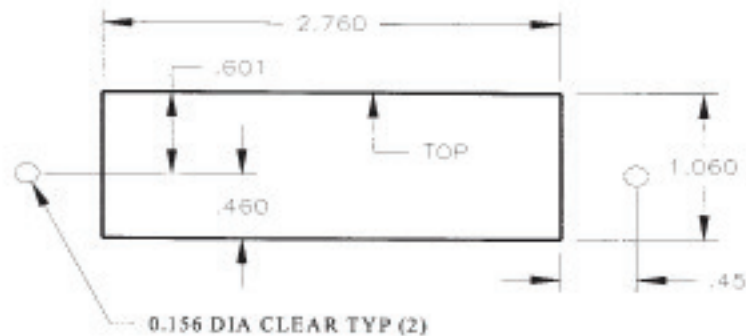
ViewMaster 500

Two Amperage Measurements in a Single Instrument!

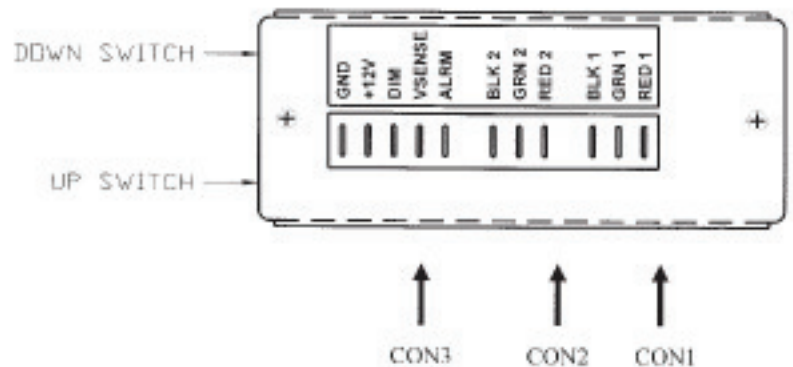
Specifications

- **Operating Voltage:**
12VDC
- **Operating Current:**
250 mA (Max) 200 mA (Min)
- **Input Voltage range (measurement channel):**
8.1VDC to 16.1 VDC
- **Amperage measurement range:**
-300 Amps to +300 Amps
- **Operating temperature:**
-40 C to 70C
- **Dimming Voltage:**
8.7 VDC to 16.1 VDC
- **Maximum Alert Relay Current:**
1 Amp
- **Display character height:**
0.200" (5mm)
- **Display viewing window:**
2.067" X 0.451" (52.5mm X 11.45 mm)

Mounting Hole Dimensions



Electrical Connections and Programming



Electrical Connections and Functions

Connector Block	Terminal Number/Label	Function
CON1	1 / RED1	Current Transducer #1 from VMH-500
	2 / GREEN1	Current Transducer #1 from VMH-500
	3 / BLACK1	Current Transducer #1 from VMH-500
CON2	1 / RED2	Current Transducer #2 from VMH-500
	2 / GREEN2	Current Transducer #2 from VMH-500
	3 / BLACK2	Current Transducer #2 from VMH-500
CON3	1 / ALRM	VOLTAGE ALARM RELAY OUTPUT
	2 / VSENSE	MEASURED INPUT VOLTAGE
	3 / DIM	DIMMING VOLTAGE INPUT
	4 / +12V	SUPPLY VOLTAGE
	5 / GND	GROUND

User Adjustable Parameters

Parameter Name	Default Value	Minimum Value	Maximum Value	Units
Low Voltage Alarm Threshold	12.0	8.1	12.6	Volts
High Voltage Alarm Threshold	15.0	13.6	15.1	Volts
Low Voltage Detection Period	60	0	255	Seconds
Voltage Zero Adjustment	0	-1.0	+1.0	Volts
Amperage 1 Zero Adjustment	0	-127	+127	Amps
Amperage 2 Zero Adjustment	0	-127	+127	Amps
Voltage Slope Adjustment	16.1	12.0	16.1	Volts
AMP1 Slope Adjustment	0	-127	+127	Amps
AMP2 Slope Adjustment	0	-127	+127	Amps

Note: All drawings and technical information provided herein subject to change without notice.
To obtain the most accurate and recent information please call 800-428-4449.