

ZNT-300 Smart NMEA Tester (Monitor + Simulator + Oscilloscope)

Introduction

ZNT-300 NMEA 0183 Tester & Oscilloscope is portable instrument for both NMEA 0183 Tester and Oscilloscope.

It can help to use to analyze the analog signal and the voltage & frequency of NMEA 0183 comes out from marine equipment in real time.

Especially, in NMEA 0183 Monitor function

- 1) User can check whether the data input or not & baud-rate through **Raw data mode**.
- 2) User can test NMEA 0183 packet received through **Summary mode** and check the data for defects, and **ZNT-300** shows summary information in the packet which is capable to support.



Specifications

General Specifications

Display	- Full color 2.8" TFT LCD 65K 320 x 240
Input Impedance	- > 500kohm
Maximum Input Voltage	- 80Vpp (by x 1 Probe)
Upgrade	- Via USB Cable
Power Supply	- 500mAh 3.7V Lithium Battery or UBS Connector

Oscilloscope

Analog Bandwidth	- 0~1MHz
Maximum Sample Rate	- 1Msps 12Bits
Horizontal Sensitivity	- 1uS/Div ~ 10S/Div
Horizontal Position	- Adjustable with Indicator
Vertical Sensitivity	- 10mV/Div ~ 10V/Div (with x 1 Probe) - 0.5V/Div ~ 100V/Div (with x 10 probe)
Vertical Position	- Adjustable with Indicator
Trig Mode	- Auto, Normal, Single, Scan and Fit

	<ul style="list-style-type: none"> - Rising / Falling Edge / Level Trigger - Trig Level Adjustable with Indicator - Trig Sensitivity Adjustable with Indicator.
Waveform functions (Automatic measurement)	<ul style="list-style-type: none"> - Frequency, Cycle Time, Duty Cycle, Peak Voltage, RMS Voltage, Average Voltage and DC Voltage. - Precise Vertical Measurement with Markers - Precise Horizontal Measurement with Markers - Hold / Run
Signal Generator	- 10Hz~1MHz Square Wave
Waveform Storage	- Micro SC Card
PC Connection	- Via USB Cable as SD Card Reader
NMEA 0183 Monitoring	
Minimum Input Voltage	- DC 1.4V
View Mode	<ul style="list-style-type: none"> - Raw Data: Display Raw NMEA 0183 or Binary Signal - Summary : Display Data Value of NMEA 0183 Sentence
Data Generator	- Generates mainly used NMEA 0183 Sentences
Physical Specifications	
Dimension/Weight	- 91 x 62 x 13 mm / 100 g (3.58 x 2.44 x 0.51 in / 0.22 lb)

Remark

- 1) If you need any other specifications, please contact us.
- 2) This specification may be changed without notification.