



# NS610 Handheld Digital Signal Analyzer Specifications

## Specifications

### Environment Conditions

Altitude:  $\leq 4000\text{m}$   
 Environment temperature:  $-10^{\circ}\text{C}\sim 50^{\circ}\text{C}$   
 Relative humidity: 5%~95%  
 Atmospheric pressure: 86~106 kPa

### Security Standards

GB / T 17626.2-1998 EMC testing and measurement techniques Electrostatic discharge immunity test 4  
 GB / T 17626.4-1998 EMC testing and measurement techniques Electrical fast transient burst immunity test 4  
 IEC 60255-21-1:1988 Electrical relays Part 21:  
 Measuring vibration, shock, bump and seismic tests of relays and devices, Chapter One: Vibration tests (sinusoidal)  
 Enclosure rating IP20

### Power Supply

Battery: 6 18650 4400mAh large capacity lithium battery  
 Input: 100 V~2 40V AC, 50/60Hz  
 Output: D C 1 5V、2 A  
 charging time: 2 hours  
 Full power working time> 18 hours  
 Standby time> 400 hours

### Self-protection

Built-in charging circuit and over-discharge protection circuit to ensure the reliability of rechargeable battery

### Signal Probe and Value Analysis Specifications

IEC61850 - 9 - 2 / LE signal samples  
 IEC618 0 - 8 - 1 GOOSE signal  
 IEC60044 - 7 / 8 optical serial signal  
 Optical power

### Signal sending and Value setting Specifications

IEC61850 - 9 - 2 / LE signal samples  
 IEC618 0 - 8 - 1 GOOSE signal  
 IEC60044 - 7 / 8 optical serial signal

### Synchronization signals

Support IRIG-B  
 Support IEC61588/IEEE1588

### Interface Parameter

#### SD card

To save recorded message (pcap), import and export SCL files

#### 100Mbps optical Ethernet interfaces

send/receive IEC61850-9-2、GOOSE signal; Receive optical power,  
 IEC61588/IEEE1588

Wavelength: 1310nm

#### ST interfaces

One interface for receiving 1 IRIG-B, one for sending FT3

Wavelength: 850nm

### Optical cable Type

62.5 / 125um multi-mode fiber or 50/125 um multi-mode fiber

### Other parameters

Weight: 0.78Kg

Dimension(LXWXH): 190×80×40 (mm)

display screen: 4.3-inch TFT color screen LCD



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