

High & Low Frequency Voltage Test Instruments

H. TH1912/TH1912A TH1913/TH1913A Digital AC Millivoltmeter

Features

- 40,500 reading display
- AC voltage test, frequency range: 5Hz—3MHz, 5Hz—5MHz (model A) Many test display functions: Absolute value: mV · V · W · dBm · dBV · dBmV · dBmV · Vp-p
Relative value: dB · % · Max/Min
- Bright large screen VFD display
- A digit in main display and sub-display can load other readings
- Test speed is up to 12.5 times/second
- ACV test accuracy is up to 1% and the resolution is up to 0.1μV
- Selection of ground and float
- Calibration without uncovering
- Standard RS232C interface providing convenient communication mode



TH1913A

Brief Introduction

■ TH1912/3(5Hz—3MHz) and H1912/3A(5Hz—5MHz) are 4 1/2 double VFD digit AC millivolts, which can also be used as power meter and level meter. The test value and operation value can be displayed. The adoption of intelligent micro processor control technology, good amplifier and A/D linearity cymoscope makes the deviation of test voltage lower than 1%. Chip production and installing craft make the millivoltmeter with the good performance of small volume, light, high stability, fast test speed, small deviation of frequency response .etc

Setting function of multi parameter and math operation, as well as

Specifications

model	TH1912	TH1912A	TH1913	TH1913A					
channel	two channel		one channel						
Test condition	following is the index at Slow. Others refer to instruction calibration period: 1 year working temperature and humidity: 18°C--28°C , ≤90%RH; When resistance range is 5MΩ and 50MΩ, ≤70%RH warmup time: 30 min Indication of accuracy: ±(% of reading + % of range) Temperature coefficient : 0°C--18°C & 28°C--40°C+0.1× accuracy/°C								
Speed and full scale reading (reading/second)	slow	middle	fast	slow	middle	fast			
ACV	1	3	12.5	1	3	12.5			
Full scale reading	40,500	40,500	4,050	40,500	40,500	4,050			
ACV	Max. reading	Resolution	Accuracy	Input impedance	Max. reading	Resolution	Accuracy	Input impedance	
Range	3.8mV	4.0500	0.1μV	1%	1MΩ	4.0500	0.1μV	1%	1MΩ
	38mV	40.500	1μV	1%	1MΩ	40.500	1μV	1%	1MΩ
	380mV	405.00	10μV	1%	1MΩ	405.00	10μV	1%	1MΩ
	3.8V	4.0500	100μV	1%	1MΩ	4.0500	100μV	1%	1MΩ
	38V	40.500	1mV	1%	1MΩ	40.500	1mV	1%	1MΩ
	300V	405.00	10mV	1%	1MΩ	405.00	10mV	1%	1MΩ
Response deviation	frequency								
	5Hz~20Hz	±(4% of reading value+ 0.5% of full scale)							
	20Hz~2MHz	±(4% of reading value+ 0.5% of full scale)							
	2MHz~3MHz	±(4% of reading value+ 0.5% of full scale)							
	3MHz~5MHz	±(4% of reading value+ 0.5% of full scale)							

the function of ground and float, expands the using range of millivoltmeter, and improves the safety.

Standard RS 232 interface, optional GPIB interface, and general RS232 software are provided to meet the demand of connecting with computer and forming auto test system. The instrument can receive the SCPI command to guarantee the compatibility of communication software.

Ordering Information

TH1912/A 4 1/2 Double channel digit millivoltemer
TH1913/A 4 1/2 single channel digit millivoltemer

Instrument Accessories

TH19001 BNC 50Ω cable leads
TH19002 test probe with the safe standard
3 core power lead (according to different regions)

Options

TH26034 RS232C interface connection cable
TH12025 communication software
TH12024 calibration software

Specifications

Function	
Parameter	AC voltage
Math function	% · dB · dBm
Range	Auto manual
Display	VFD · dual display
Reading mode	Main display; all test parameter Sub-display: display all function parameters except the current main display
Trigger mode	INT/MAN/BUS
Reading hold	Within the deviation range, pursuit a optimal stable reading for data block
Comparator	Perform MAX, MIN status judgment and display, and send ALARM (open/close)
Communication interface	RS232C, SCPI command program supportable