

High & Low Frequency Voltage Test Instruments

H. TH2280/TH2268 Ultrahigh-frequency Millivoltmeter

Features

- Frequency range: 9KHz - 2000MHz
- Voltage range: 1mV - 10V
- Power level range: - 47 - 33dBm (50Ω)
- Power mode: AUTO and MANUAL
- Auto clear null function
- 4 1/2-digit LED display
- Excellent frequency response and VSWR

Brief Introduction

■ TH2280A ultrahigh-frequency digital millivolt meter is mainly used to measure sine wave voltage with the frequency range from 9 KHz to 2000MHz and power level of 50Ω system in factory,institute,army school and lab.etc.Measurement voltage and power level have good repeatability and stability. Therefore, it can be used for measurement in both manufacturing field and lab use, and transfer standard of ultrahigh-frequency voltage ,which solves the transition measurement from low frequency to microwave voltage and power.



TH2280A

Features

- Frequency range: 1KHz - 1200MHz
- Voltage range: 1mV - 10V
- Easy operation
- Excellent frequency response and VSWR

Brief Introduction

■ TH2268 ultrahigh-frequency millivolt meter is mainly used to measure sine wave voltage with the frequency range from 1 KHz to 1200MHz in factory,institute,army school and lab.etc.Applying detection amplifying circuit, the meter offers good high-frequency characteristics,which solves the transition measurement from low frequency to ultrahigh frequency.



TH2268

Specification

Model	TH2280A	TH2268
Measurement voltage and power level,range	4mV, 40mV, 400mV, 4V, 10V, -35dBm, -15dBm, 5dBm, 25dBm, 33dBm ,five ranges	3mV, 10mV, 30mV,100mV, 300mV, 1V, 3V, 10V ,eight ranges
Frequency bandwidth	9KHz - 2000MHz	1KHz - 1200MHz
Basic accuracy	≤ ± 2% of reading	≤ ± 2% of full scale
Display mode	4 1/2- digit LED display	Analog panel meter indication
Input impedance	Coaxial detector's open circuit impedance ≥ 100KΩ at low frequency, inserted in 50Ω coaxial system and connected with 50Ω terminal load to measure voltage and power	High-impedance probe ≥ 100KΩ ,inserted in 50Ω N-adapter to measure ultrahigh-frequency voltage
Overload voltage	AC ≤ 15Vrms, DC ≤ 50V	
Frequency response error	9KHz - 200MHz ≤ ± 3% 200KHz - 500MHz ≤ ± 5% 500KHz - 1000MHz ≤ ± 11% 1000KHz - 2000MHz ≤ ± 18%	AC ≤ 15Vrms, DC ≤ 50V 1KHz - 500MHz ≤ ± 4-8% 500KHz - 800MHz ≤ 10%
Voltage VSWR	9KHz - 200MHz ≤ 1.03 200KHz - 500MHz ≤ 1.04 500KHz - 1000MHz ≤ 1.12 1000KHz - 1600MHz ≤ 1.22 1600KHz - 2000MHz ≤ 1.35	800KHz - 1200MHz ≤ ± 15% 50KHz - 800MHz ≤ 1.12 800KHz - 1000MHz ≤ 1.35

General Specifications

Operation Temperature And Humidity	0°C - 40°C, ≤90% RH
Power Requirements	198V - 242V AC,47.5Hz - 52.5Hz
Power Consumption	≤ 10 VA
Dimensions (W x H x D)	270mm x 210mm x 280mm
Weight	4 Kg Approx.

General Specifications

Operation Temperature And Humidity	0°C - 40°C, ≤90% RH
Power Requirements	198V - 242V AC,47.5Hz - 52.5Hz
Power Consumption	≤ 5 VA
Dimensions (W x H x D)	270mm x 130mm x 270mm
Weight	4 Kg Approx.