

HIGH VOLTAGE DIFFERENTIAL PROBE DP-25



- ▶ 3 RANGE ATTENUATOR.
- ▶ 2 POWER SOURCE.
- ▶ 1000V INPUT CAT III
- ▶ LOW BATT. AUTO OFF.
- ▶ SEPARATING DESIGN. CONVENIENT, DURABLE.
- ▶ MEET CE, IEC 1010, EN 61010, UL 3111.

Specifications

Band width (-3dB, 50Ω load): DC-25MHz . (x 20: DC~15MHz)

Accuracy : ± 2% at 20-30°C 70% RH after 20 minutes warm up.

Attenuation : x 20, x 50, x 200 (Into 1MΩ scope) ; x 40, x 10
, x 400 (Into 50Ω load)

Maximum operation Voltage (DC + peak AC) :

≅ ± 140V at x 20

≅ ± 350V at x 50

≅ ± 1300V at x 200

Maximum input Differential Voltage : 1300V (DC + peak AC) or 1000V RMS

Maximum input Voltage to Ground : 1000V (DC + peak AC) or 600V RMS

Common Mode Rejection Ratio (CMRR):

60Hz : >10,000 : 1

100Hz: >1,000 : 1

1MHz: > 300 : 1

Noise : ≤ 2 mV rms (Into 50Ω load)

Input Impedance :

2MΩ, 2.3 PF between inputs and ground.

4MΩ, 1.2 PF between inputs.

Power : One internal 9V alkaline battery or external 6V-9V DC.

WARNING

1. Do not use DP-25 above 1000v (DC + peak AC) between ground and the input or 1,300V (DC + peak AC) between the input lead.
2. Do not operate DP-25 in wet or damp condition.
3. Do not operate DP-25 in an explosive atmosphere.
4. Do not immerse DP-25 in liquids.
5. Do not operated DP-25 without covers.
6. Please change the battery when the "LOW BATT " LED is lighted. At this time DP-25 can operate but not guaranteed the accuracy.
7. DP-25 can not operate if both POWER and LOW BATT LED are not light.

FEATURES

1. The DP-25 FET input differential probe provides a safe means of measuring circuits with floating potentials up to 1000 V (DC+ peak AC) from ground and 1300V (DC + peak AC) differential.
2. The DP-25 converts the high voltage differential input signal to a low voltage ground referenced signal for display on any Oscilloscope.
3. The output BNC of DP-25 is calibrated to drive a high impedance (1M Ω) load.

INSTRUCTION FOR USE

1. Connect the output BNC of DP-25 to the input BNC of the Oscilloscope by the accessory BNC cable.
2. Adjust the vertical offset of the Oscilloscope if necessary.
3. Set the select proper range of the DP-25 and the V / DIV of the Oscilloscope according to the scale conversion chart.
4. Scale conversion chart : The effective V / DIV is the attenuation factor of x 20, x 50, x 200 multiplied by the scale factor of the Oscilloscope. It will be twice when the 50 Ω load was used. For example, with the range set at x 200, and the scope set to 0.5 V / DIV, the effective V / DIV equals 200 x 0.5 or 100 V, with the 50 Ω load was used, it becomes 200V, the power consumption will increase too.

Accessories

ADP-110V or ADP-220V: AC Adapter.

BP-250: BNC Plug to BNC Plug; 50 Ω Resistance , RG58C UL, Length 100cm.

BP-356N: Banana Plug to Banana Plug Silicon Wire; UL 6KV, 18AWG, Length 60cm.(Red x 1pc , Black x 1pc)

BP-256N: IC Clip, UL 1000V CAT III.(Red x 1pc , Black x 1pc)

BP-276N: Alligator Clip, UL 1000V CAT II, 10A.(Red x 1pc , Black x 1pc)

Instruction Manual(TINSE0004S4).



C/ IKEA, 51 - LOCAL B - 48940 LEIOA - VIZCAYA

TFNO.: 944803040 - FAX: 944348191

Email: isotest@isotest.es

<http://www.isotest.es>