DC High Voltage
Probe Meter

HVP-40DM

CE

TINSE0033S4 Rev.02

INSTRUCTION MANUAL

Specifications

Input Resistance	Approx. 2000MΩ
Max. Operation Voltage	40KV DC, CAT II, Pollution 2
Polarity	Positive / Negative
Display	3999 digital LCD
Accuracy	≦0.8%±2 digital (20~40KV≦1.0±3digital)
Temperature Coefficient	≦100PPM/℃
Maximum Loading Current	≦20 μA
Maximum Loading Power	≦0.8 watt
Voltage Range	40KV / 4 KV / 400V / 3 Range
Voltage Resolution	10V / 1V / 0.1V
Power Source	9V / 006P, IEC6L R1, NEDA 1604A
Low Battery Indicate	≦7.3 Auto Indicate
Battery Life	Out hr(Alkaline)
Auto Power Off	About 30 mim
Peak Hold	≧400 ms
Sampling	4 Sampling / sec
Operating Temperature	0 ~ 50℃
Storage Temperature	-20 ~ +70℃
Ground Lead Length	90 cm(35")
Dimensions	420 L x 90 ϕ
Weight	360g

Safety Precautions

This high voltage probe must only be used by personnel who are trained, experienced, or otherwise qualified to recognize hazardous situations and who are trained in the safety precautions that are necessary to avoid possible injury when using such a device..

Do not work alone when working with high voltage circuits.

For your own safety, inspect the probes for cracks and frayed or broken leads before each use. If defects are noted, **DO NOT** use the probe.

Hands, shoes, floor and work bench must be dry. Avoid making measurements under humid, damp or other environmental conditions that might affect the safety of the measurement situation.

If possible, always turn the high voltage source off before connection or disconnection the probe.

The probe body should be kept clean and free of any conductive contamination.

Operation

Connect the desired voltmeter range.

Whenever possible, turn the high voltage source off before making any connections.

Connect the divider probe commom lead(alligator clip) to a good earth ground or reliable chassis ground.

Warning

Do not attempt to take measurements from sources where the chassis or return lead is not grounded.

This ground connection is critical to the safety operation of the probe. Failure to make this connection when making high voltage measurements may result in personal injury or damage to the probe or voltmeter. This connection must always be made BEFORE the probe tip comes into contact with the high voltage and must not be removed until after the probe tip has been removed from the high voltage source..

Do not connect the ground clip lead to the high voltage source or the probe tip to ground for any reason.

Before turning the high voltage on, make sure that no part of your body is in contact with the device under test.

Disconnect the probe tip from the high voltage source BEFORE removing the ground clip lead.

Cleaning

Clean only the exterior probe body and cables. Use a soft cotton cloth lightly moistened with a mild solution of detergent and water. Do not allow any portion of the probe to submerged at any time.

Dry the probe thoroughly before attempting to make voltage measurement.

Do not subject the probe to solvents or solvent fumes as these can cause deterioration of the probe body and cables.