

HIOKI

DC HIGH VOLTAGE PROBE P2000

NEW Preview

To Be Released In December 2021

World's First
CAT III
2000 V
DC HIGH VOLTAGE PROBE



Safe Inspection of Photovoltaic Power Generation Facilities with Increasingly High Voltage

Photovoltaic power generation equipment are becoming increasingly high-voltage in order to reduce costs and improve the efficiency of power generation systems. As a result, it is important to select measuring instruments that support higher voltage measurement to protect the safety of inspection workers.

The P2000 enables high voltage measurement up to CAT III 2000 V by simply connecting to a compatible HIOKI clamp meter or digital multimeter.



CE



P2000 Compatible Models

*These Clamp Meters will be released in December 2021



DIGITAL MULTIMETER
DT4261



AC/DC CLAMP METER
CM4375-50



AC/DC CLAMP METER
CM4373-50



AC/DC CLAMP METER
CM4371-50



AC CLAMP METER
CM4141-50

P2000 Specifications

Maximum input voltage (max. rated voltage between INPUT H-INPUT L)	DC 2000 V
Maximum rated voltage to earth	2000 V (Measurement Category III) anticipated transient overvoltage 15,000 V 1000 V (Measurement Category IV) anticipated transient overvoltage 12,000 V
Input resistance	20 MΩ ±1.0% (between INPUT H – INPUT L)
Output ratio	Depends on the input impedance of the connected device (example: 1/10 when a device with an input impedance of 10 MΩ is connected)
Overload protection	DC/AC 2200 V 1 minutes (between INPUT H – INPUT L) DC/AC 600 V 1 minutes (between OUTPUT H – OUTPUT L)
Secondary terminal	4 mm banana terminal
Operating environment	Indoor use, pollution degree 2, altitude up to 2000 m
Operating temperature and humidity range	Temperature: -25°C to 65°C Humidity: -25°C to 40°C, up to 80% RH (non-condensing) 40°C to 65°C, (the operation humidity limit falls linearly from 40°C 80% RH to 65°C 25% RH, given that there is no condensation)

Storage temperature and humidity range	-30° C to 70° C 90% RH or less (non-condensing)
Applicable standards	Safety EN 61010
Product warranty period	3 years (probe body and cable part are not covered by warranty)
Accessories	L4943 connection cable, Strap with buckle, C0205 carrying case, "Instruction Manual", "Usage Precautions"

Accuracy in combination with the DT4261 or CM series

Models	Combination Accuracy Specifications (Reference value)
DT4261	±0.5% rdg. ±5 dgt.
CM4375-50	±1.0% rdg. ±3 dgt.
CM4373-50	
CM4371-50	
CM4141-50	

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