

# High Voltage Probe



This high voltage probe in connection with oscilloscope can be used to measure the waveform of high voltage. Inner site of the body is filled with isoration gas for insulation.

## ■ Type PG Series

### ● Specifications

Item		P50-G	P100-G	P100-GL	P150-G	P150-GL
Max. input voltage						
DC or ACp-p ※	Insulator is in oil	30kV	80kV	80kV	100kV	100kV
	Insulator is in air		60kV		60kV	
Impulse(duty factor ≤ 0.01, pulse width ≤ 1msec)	Insulator is in oil	50kV	110kV	110kV	150kV	150kV
	Insulator is in air		80kV		80kV	
Frequency bandwidth		DC~50MHz, -3dB				
Rise time		≦ 10nsec.			≦ 20nsec.	
Division ratio	Probe only	2,000:1	2,000:1		3,000:1	
	connect with adapter	5,000:1	5,000:1		5,000:1	
Input resistance		1GΩ±5%			2GΩ±5%	
Distortion factor		±5%				
Input capacitance		≐ 10pF				
Inner gas		SF <sub>6</sub>				
Inner gas pressure		0.25~0.3MPa				
Output cable		≐ 4m (Fig.4)				
Condition of usable oscilloscope		Input resistance : 1MΩ±5%, Input capacitance : 7~45pF				
Dimensions		Fig.1	Fig.2	Fig.3	Fig.2	Fig.3
Weight		4.2kg	6.3kg	7.0kg	6.3kg	7.0kg

- NOTICE: 1 ⚡ On condition continuous wave overs 100kHz, ACp-p voltage will go down.  
 2 ⚡ Division ratio (5,000 : 1 and 10,000 : 1) can be manufactured in prove only.  
 3 ⚡ Input resistance 10GΩ can be manufactured.  
 4 The optional parts : Adapter,Probe stand,Carrying case.



\*Probe stand is optional parts.

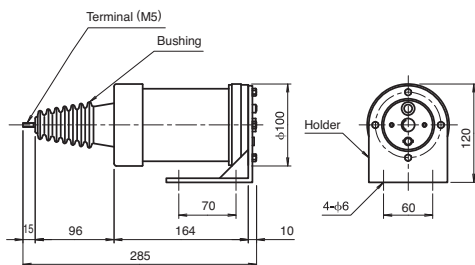
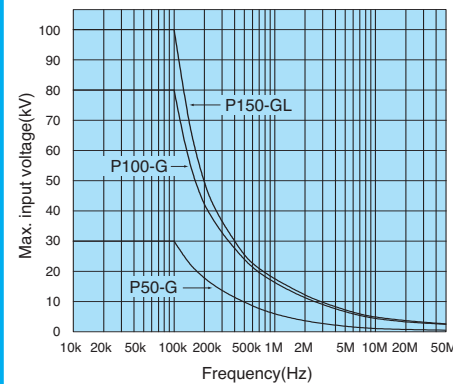


Fig.1

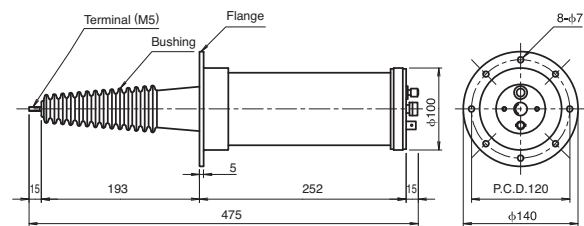


Fig.2

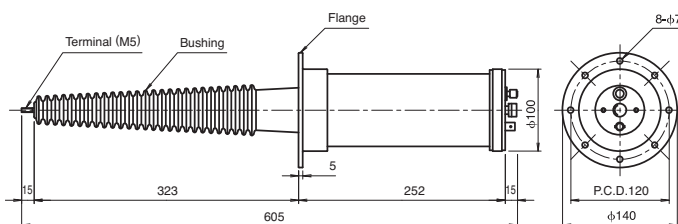


Fig.3

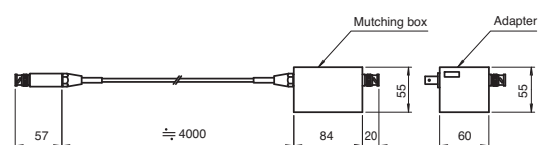


Fig.4