

Specifications

Input type	Balanced differential input
Frequency bandwidth	DC to 500 MHz for probe *1
Attenuation ratio	10:1±3% when connected to a resistance of 50Ω±1% *1
Input resistance (typical value)	100 kΩ (relative to ground)
Input capacity (typical value)	2.5 pF (relative to ground)
Differential input voltage range	±12V
Common mode input voltage range	±30 V
Nondestructive input voltage range	±40 V (DC+AC peak) *2
Output offset voltage	±5 mV (±50 mV when converted into input terminal) *1
CMR (typical value)	60 dB (1 MHz), 17 dB (500 MHz)
Total cable length	1.2 m (probe cable), 1 m (power supply cable)
Power supply voltage	±12 V ± 1 V (Usable range: 11 to 13 V, -11 to -13 V)
Power supply current:	Current of the power supply terminal is less than 125 mA
External dimensions	111 mm × 22 mm × 14 mm (excluding cable and accessories)
Operating temperature	5 to 40 °C
Operating humidity	25 to 85%RH (no condensation)
Storage temperature	-20 to 60 °C
Storage humidity	25 to 85%RH (no condensation)
Weight	Approx. 130 g

*1 Standard operating conditions

Ambient temperature 23±°C, Ambient humidity 50±10%RH; 30 minutes after the power supply is applied.

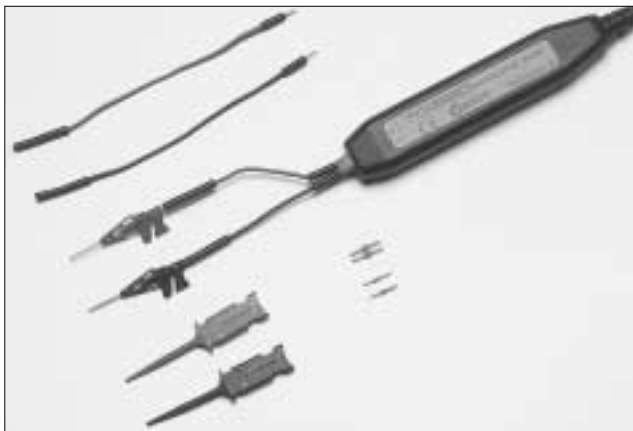
*2 For the relation between frequency and input voltage derating see the graph.

Part name and Model

Part Name	Model	Description
Differential Probe	701920	DC to 500 MHz Bandwidth

Standard Accessories

Part Name	Part Number
Differential Probe Accessories	B9852SZ



NOTICE

- Before operating the product, read the instruction manual thoroughly for proper and safe operation.
- If this product is for use with a system requiring safeguards that directly involve personnel safety, please contact the Yokogawa sales offices.