

Safety Precautions

Make sure to comply with the safety precautions mentioned hereafter when handling the probe.

YOKOGAWA ELECTRIC Co. assumes no responsibility for any consequences resulting from failure to comply with these safety precautions.

Also, read the User's Manual of the measuring instrument thoroughly so that you are fully aware of its specifications and handling, before starting to use the probe.

General definitions of safety symbols and markings



This symbol indicates the risk of injury, death of personnel, or damage to the instrument. Be sure to refer to the corresponding explanation in the User's Manual.

WARNING

This symbol calls attention to a procedure, practice, condition or the like, which, if not correctly performed or adhered to, could result in injury or death of personnel.

CAUTION

This symbol calls attention to a procedure, practice, condition or the like, which, if not correctly performed or adhered to, could result in damage to or destruction of part of the product.

Make sure to comply with the following safety precautions in order to prevent accidents such as an electric shock which impose serious health risks to the user and damage to the instrument.



WARNING • Grounding of the measuring instrument

Make sure to connect the protective grounding of the measuring instrument.

• Earth cable of the probe

Make sure to connect the earth cable to the ground (grounding potential).

• Connecting the object of measurement

Make sure to avoid an electric shock when connecting the probe to the object of measurement. Do not remove the probe from the measuring instrument after the object of measurement is connected.



CAUTION • Maximum input voltage

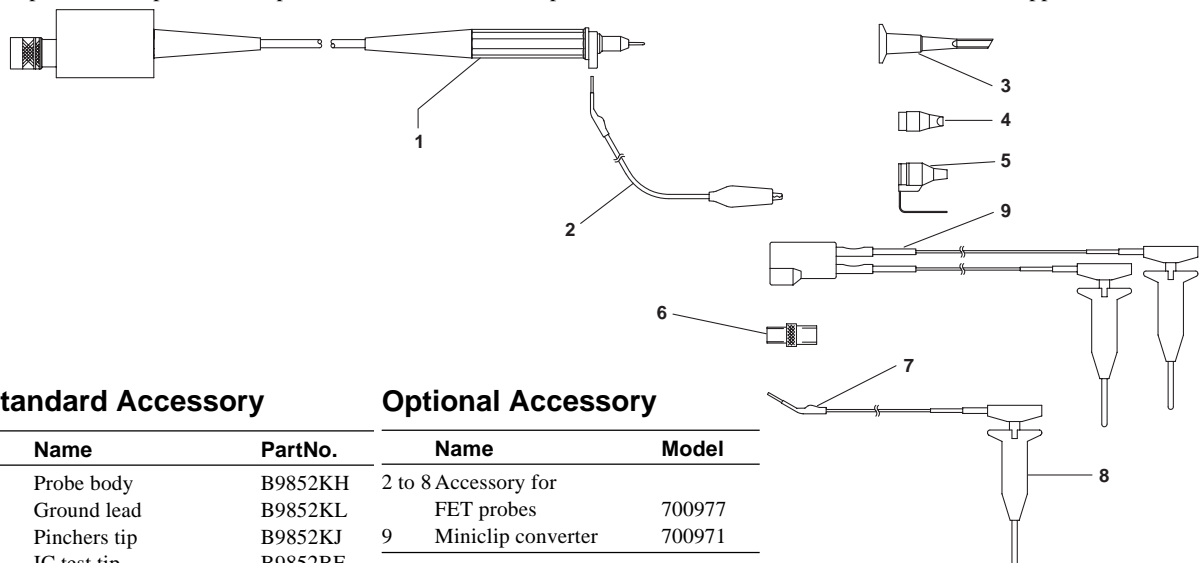
Do not supply any voltages exceeding the maximum input voltage to the probe.

Abstract

The model 700943 is a FET probe with attenuation ratio of 1/10.

Composition

This probe is composed of the probe and its accessories. Optional accessories are available to meet various applications.



Standard Accessory

Name	PartNo.
1 Probe body	B9852KH
2 Ground lead	B9852KL
3 Pinchers tip	B9852KJ
4 IC test tip	B9852BF
5 Ground attachment	B9852BG

Optional Accessory

Name	Model
2 to 8 Accessory for FET probes	700977
9 Miniclip converter	700971

Specifications

Item	Specifications
Probe length	1.5 m±50 mm
Input resistance	Approx. 2.5 MΩ
Input capacitance	Approx. 1.8 pF (1.0 MHz)
Attenuation ratio	1/10±2% (DC)
Bandwidth (-3dB)	900 MHz
Offset voltage accuracy	Residual offset output of probe alone: less than ±1 mV ^{*1} Offset gain error of probe alone: less than ±2% ^{*1} In conjunction with the DL5140/DL5180: ±(3% of set value +40 mV) (reference value) ^{*1, *2}
Max input voltage	50 VDC+ACpeak Frequency of the AC needs to be less than 60 Hz.

*1 Standard operating conditions (23±2°C, 55±10% RH)

*2 After the calibration of the main unit of DL5140/5180

Usage

When connecting to the DL5140/5180, make sure the side with the model number is facing up, and press in by holding the main part of the connector until it locks as shown in the diagram below. When disconnecting, pull by holding the shell part of the connector (if you do not hold the shell part, the lock will not release and you will not be able to disconnect it).

Also, attempting to rotate the connector while it is connected or applying excessive force to the connector will result in malfunction.

Please be careful when handling the probe.

Use the appropriate accessory probe tip for the different measurement conditions.

