

L9773-01
PROBE TIPS
L9773-02
PROBE TIP SOCKETS
L9773-03
PROBE TIP SOCKET ADAPTERS
Instruction Manual

EN

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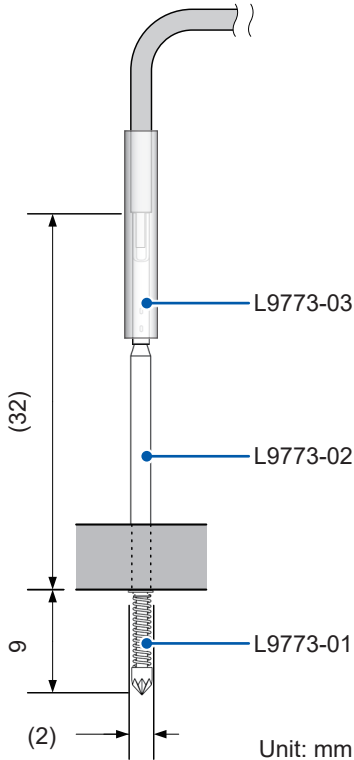
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Completed L9773 Assembly Drawing

When the probe has moved the maximum stroke in the fixing plate, the distance between the object being tested and mounting plate will be approximately 6 mm. Therefore, the contact surface of the probe can contact up to a depth of approximately 6 mm from the surface of the object being tested.



Precautions for Use

The measured values may be affected by probe placement and noise because the probe placement and wiring will be random. In such a case, refer to “Unstable Measured Values” and “Mitigating Noise” in Appendix of the instructions manual for RM3545A or RM3546, and then take the appropriate steps.

Specifications

Model	Remarks
L9773	Includes L9773-01, L9773-02, and L9773-03
L9773-01	Probe Tip × 10 pcs.
L9773-02	Probe Tip Socket × 10 pcs.
L9773-03	Probe Tip Socket Adapter × 10 pcs.

General Specifications

Operating environment	Indoor use, pollution degree 2, altitude up to 2000 m (6562 ft.)
Operating temperature and humidity range	0 °C to 40 °C (32 °F to 104 °F), 80 % RH or less (non-condensing)
Storage temperature and humidity range	−10 °C to 50 °C (14 °F to 122 °F), 80 % RH or less (non-condensing)
Maximum rated voltage to earth	60 V DC, 30 V AC rms, 42.4 V AC peak
Rated voltage	60 V DC, 30 V AC rms, 42.4 V AC peak
Rated current	2 A AC/DC continuous
Dimensions	L9773-01 Approx. 1.8W × 19H mm L9773-02 Approx. 2.0W × 26H mm L9773-03 Approx. 1.25W × 11H mm (Adapter)
Weight	L9773-01 Approx. 0.15 g / pc. L9773-02 Approx. 0.14 g / pc. L9773-03 Adapter: Approx. 0.03 g / pc. Heat shrinkable tube: Approx. 0.02 g / pc.

Other Specifications

(1) L9773-01

Maximum stroke length	Approx. 3 mm
Maximum load	Approx. 2.2 N (when maximum stroke)

(2) L9773-02

Mounting hole dimension	φ1.65 mm ±0.02 mm
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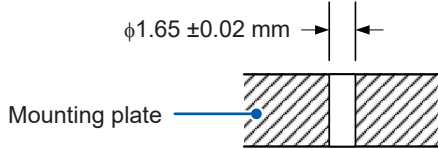
(3) L9773-03

Applicable wire size (cross-sectional area)	AWG 24 to AWG 26 (0.2 mm ² to 0.12 mm ²)
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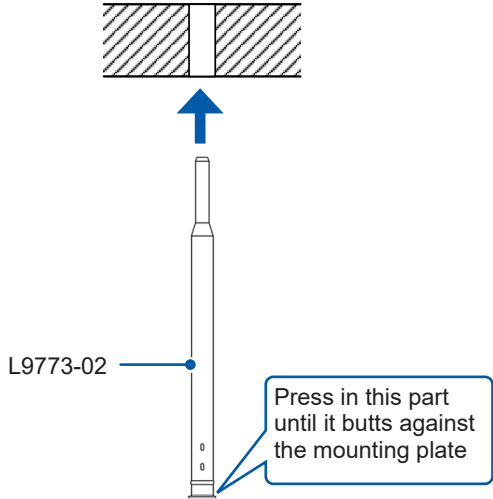
Assembly Procedure

- 1 Drill a hole with a diameter of 1.65 ±0.02 mm*1 in the mounting plate.
(When drilling multiple holes, separate them with a hole pitch of at least 2.5 mm.)

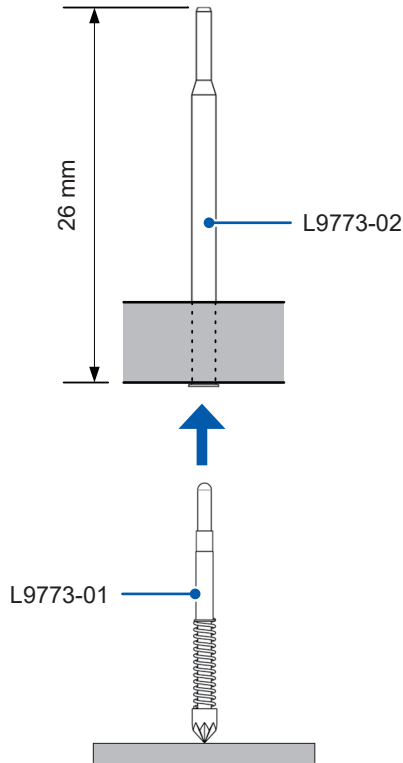
*1.This dimension is a reference value. Be sure to adjust the dimension as necessary to match the actual situation.



- 2 Press in the L9773-02 Probe Tip Socket until the protruding portion at its lower end butts against the mounting plate.

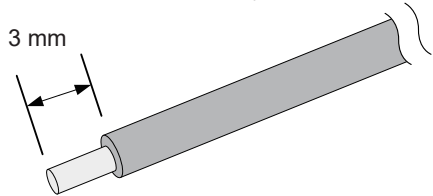


- 3 Insert the L9773-01 Probe Tip into the L9773-02 Probe Tip Socket, and push it in with a hard plate or similar object placed against the tip of the L9773-01 Probe Tip Socket.



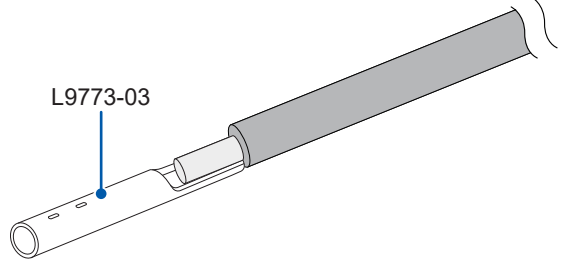
- 4 Strip approximately 3 mm of insulation from the cable end.

Compatible wire: AWG 24 to AWG 26 (0.2 mm² to 0.12 mm²)

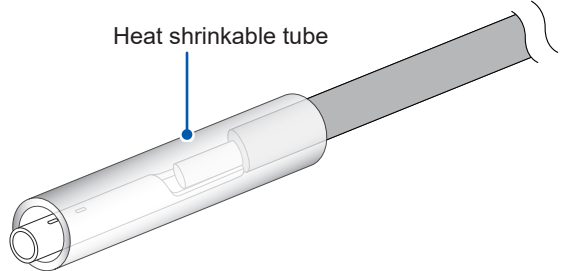


- 5 Taking care that solder does not enter inside the L9773-03 Probe Tip Socket Adapter, solder the L9773-03 Probe Tip Socket Adapter and cable core wire.

(If solder enters inside the L9773-03 Probe Tip Socket Adapter, insertion into the L9773-02 Probe Tip Socket may not be possible.)



- 6 Cover the soldered joint of the L9773-03 socket adapter and the cable's core wire with a heat shrink tube, and then use a heat gun or similar tool to shrink it.



- 7 Insert the L9773-03 Probe Tip Socket Adapter into the L9773-02 Probe Tip Socket.

