

User's Manual

758932 High Voltage Safety Terminal Adapter Set

Thank you for purchasing the 758932 High Voltage Safety Terminal Adapter. To ensure correct use, please read this manual thoroughly before operation.

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YOKOGAWA

IM 758932-01EN
1st Edition

The instrument comes with the following manuals. Please keep them in a safe place.

Manual Title	Manual No.	Description
758932 High Voltage Safety Terminal Adapter Set User's Manual	IM 758932-01EN	This document.
China RoHS	IM CROHS12-92Z1	China RoHS Information
Safety Instruction Manual	IM 00C01C01-01Z1	Safety manual (European languages)
Inquiries	PIM113-01Z2	Contact information of Yokogawa offices worldwide is provided.

- Notes
- The contents of this manual are subject to change without prior notice as a result of improvements to the product's performance and functionality. The actual display may differ slightly from the display shown in this manual.
 - Every effort has been made in the preparation of this manual to ensure the accuracy of its contents. However, should you have any questions or find any errors, please contact your nearest YOKOGAWA dealer.
 - Copying or reproducing all or any part of the contents of this manual without the permission of YOKOGAWA is strictly prohibited.

conventions used in this manual

Improper handling or use can lead to injury to the user or damage to the instrument. This symbol appears on the instrument to indicate that the user must refer to the user's manual for special instructions. The same symbol appears in the corresponding place in the user's manual to identify those instructions. In the manual, the symbol is used in conjunction with the word "WARNING" or "CAUTION."

WARNING

Provides precautions to avoid the risk of fatal or serious injury to the user if the product is mishandled.

CAUTION

Provides precautions to avoid the risk of minor injury to the user or damage to property if the product is mishandled.

Note

Provides important information for handling this instrument.

Safety precautions

This instrument is designed to be used by a person with specialized knowledge. Be sure to observe the following precautions when handling the high voltage safety terminal adapter. YOKOGAWA assumes no liability for the customer's failure to comply with these requirements. Before using the high voltage safety terminal adapter, read the instrument's instruction manual (User's Manual). Make sure that you fully understand the instrument's specifications and how to handle it. This manual is part of the product and contains important information. Store this manual in a safe place close to the instrument so that you can refer to it immediately. Keep this manual until you dispose of the instrument.

The following symbols are used on this instrument.

Handle with care. Refer to the user's manual or service manual. This symbol appears on dangerous locations on the instrument which require special instructions for proper handling or use. The same symbol appears in the corresponding place in the manual to identify those instructions.

Make sure to observe the following safety precautions to prevent electric shock, personal injury, or damage to the instrument.

WARNING

Stop use if you suspect damage

If you suspect that the high-voltage safety terminal adapter is malfunctioning, contact your nearest YOKOGAWA dealer.

Observe the maximum input voltage

Do not apply a voltage that exceeds the maximum input voltage.

Do not use in humid locations

To prevent electric shock, do not use the product in humid locations.

Do not use where gas is present

To prevent injury or fire, do not use the product where flammable or explosive gases or vapors are present.

Do not disassemble or modify

Do not disassemble or modify this product. YOKOGAWA assumes no responsibility if this product is disassembled or modified.

Be careful of exposed circuits

To prevent injury, remove metal items and jewelry such as rings and watches. When the power is on, be careful not to touch exposed contacts or parts.

Do not use a damaged measurement cable

If metal parts are exposed from inside the measurement cable or if a color different from the cable's outer insulation is exposed, stop using the cable immediately.

Measurement category (CAT)

This instrument is rated for the following: 2500 V DC (no measurement category), 1500 V CAT II, and 1000 V CAT III. Do not use this instrument in locations that exceed any of the following ratings: 2500 V DC (no measurement category), 1500 V CAT II, or 1000 V CAT III.

Accessories

Use this product only with YOKOGAWA products that specify this product as an accessory. Use this product within its ratings. When using this product together with an YOKOGAWA product or another accessory, use it within the specifications of the product with the lowest rating.

The Mating Status of this product

Use this product only when it is properly mated. Using it while it is incompletely mated may cause poor contact or abnormal heat generation, resulting in electric shock or fire. Do not use it if it is not properly mated.

Do not touch while power is supplied

Do not touch this product or its connection points while power is supplied. Doing so may cause electric shock or burns.

CAUTION

When cleaning the high-voltage safety terminal adapter, use a soft cloth and be careful not to damage it. Do not immerse the adapter in liquid or use cleaners that contain abrasives. Do not use volatile solvents such as benzene.

French

AVERTISSEMENT

Cessez l'utilisation si vous suspectez des dommages

Si vous soupçonnez un dysfonctionnement de l'adaptateur de borne de sécurité haute tension, contactez votre revendeur YOKOGAWA le plus proche.

Respectez la tension d'entrée maximale

N'appliquez pas de tension supérieure à la tension d'entrée maximale. du CT alors que l'appareil est sous tension peut endommager l'instrument ou le CT.

N'utilisez pas le produit dans des endroits humides

Pour éviter tout risque de choc électrique, n'utilisez pas le produit dans des endroits humides.

N'utilisez pas le produit en présence de gaz

Pour éviter toute blessure ou tout incendie, n'utilisez pas le produit en présence de gaz ou de vapeurs inflammables ou explosifs.

Ne démontez pas et ne modifiez pas le produit

Ne démontez pas et ne modifiez pas ce produit. YOKOGAWA décline toute responsabilité si ce produit est démonté ou modifié.

Faites attention aux circuits exposés

Pour éviter toute blessure, retirez les objets métalliques et les bijoux tels que les bagues et les montres. Lorsque l'appareil est sous tension, veillez à ne pas toucher les contacts ou pièces exposés.

N'utilisez pas de câble de mesure endommagé

Si des pièces métalliques sont apparentes à l'intérieur du câble de mesure ou si une couleur différente de celle de l'isolant externe du câble est visible, cessez immédiatement d'utiliser le câble.

Catégorie de mesure (CAT)

Cet instrument est conçu pour les caractéristiques nominales suivantes : 2 500 V CC (sans catégorie de mesure), 1 500 V CAT II et 1 000 V CAT III. N'utilisez pas cet instrument dans des endroits qui dépassent l'une des caractéristiques nominales suivantes : 2 500 V CC (sans catégorie de mesure), 1 500 V CAT II ou 1 000 V CAT III.

Accessoires

Utilisez ce produit uniquement avec les produits YOKOGAWA pour lesquels ce produit est spécifié comme accessoire. Utilisez ce produit dans les limites de ses caractéristiques nominales. Lorsque vous utilisez ce produit en association avec un produit YOKOGAWA ou un autre accessoire, utilisez-le conformément aux spécifications du produit ayant la caractéristique nominale la plus basse.

Manipulation de l'accessoire de connecteur empilable

Utilisez l'accessoire de connecteur empilable uniquement lorsqu'il est correctement accouplé. Une utilisation alors qu'il est incomplètement accouplé peut provoquer un mauvais contact ou une génération de chaleur anormale, ce qui peut entraîner un choc électrique ou un incendie. Ne l'utilisez pas s'il n'est pas correctement accouplé.

Ne pas toucher sous tension

Ne touchez pas le connecteur empilable ou ses points de connexion lorsqu'ils sont sous tension. Cela pourrait provoquer un choc électrique ou des brûlures.

ATTENTION

Pour nettoyer l'adaptateur de borne de sécurité haute tension, utilisez un chiffon doux et veillez à ne pas l'endommager. N'immergez pas l'adaptateur dans un liquide et n'utilisez pas de nettoyants contenant des abrasifs. N'utilisez pas de solvants volatils tels que la benzène.

Waste Electrical and Electronic Equipment (WEEE)

(EU WEEE Directive valid only in the EEA* and UK WEEE Regulation in the UK)
This product complies with the WEEE marking requirement. This marking indicates that you must not discard this electrical/electronic product in domestic household waste. When disposing of products in the EEA or UK, contact your local Yokogawa office in the EEA or UK respectively.

* EEA: European Economic Area

Authorized representative in the EEA

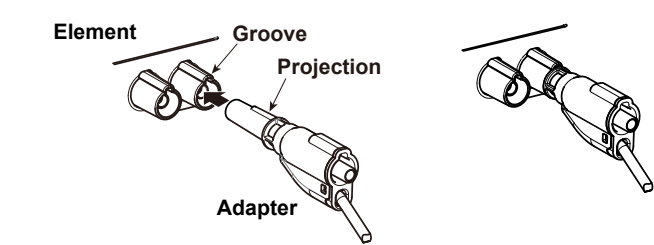
Yokogawa Europe B.V. is the authorized representative of Yokogawa Test & Measurement Corporation for this product in the EEA. To contact Yokogawa Europe B.V., see the separate list of worldwide contacts (PIM113-01Z2).

Disposal

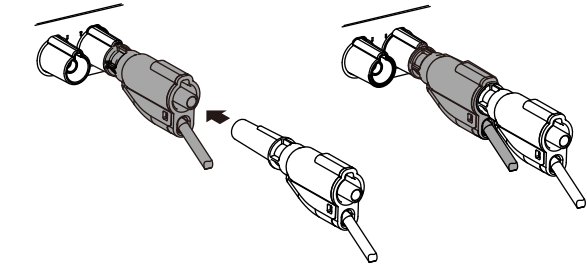
When disposing of this instrument, follow the laws and ordinances of the country or region where the products will be disposed of.

Overview

The 758932 High Voltage Safety Terminal Adapter Set is used to connect measurement cables to an instrument's high-voltage safety terminals. The terminals on this product differ from the 758931 voltage terminals in shape and rated voltage.



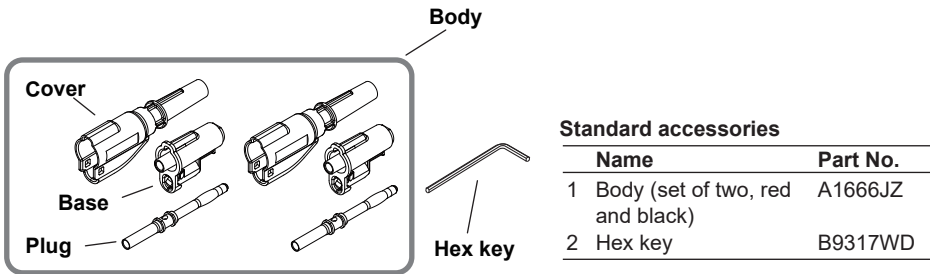
This product is a stackable connector.



Model	Item
758932	High Voltage Safety Terminal Adapter Set

Package contents

Check the package contents.
The package contains one red cover, one black cover, two black bases, two plugs, and one hex key.



Specifications

Item	Specification
Rated current ¹	5 A
Rated voltage ¹	2500 V
Operating and storage temperature	-40°C to +85°C
Operating and storage humidity	20 to 85 % RH (no condensation)
Operating altitude	2000 m or less
Applicable cable conductor diameter	0.9 mm
Applicable cable insulation diameter	4.2 mm
Safety standards	EN 61010-031 compliant 2500 V DC (no measurement category)(the estimated transient overvoltage:0 V), ² 1500 V CAT II, ² 1000 V CAT III ² Pollution degree 2 ³
Environmental standards ⁴	EU RoHS Directive compliant

- When using this product together with an YOKOGAWA product or another accessory, use it within the operating range of the product with the lower rating.
- When using devices or accessories with different measurement categories together, set the measurement category to the lower measurement category applies. See below for the definition of measurement categories.

Measurement category	Definition
Measurement Category Other (O)	Applies to measurement of circuits that are not directly connected to a main power source.
Measurement category II (CAT II)	Applies to measurement of electrical equipment and wiring that is powered through a fixed installation, such as a wall outlet wired to a distribution board.
Measurement category III (CAT III)	Applies to measurements at the distribution board level and to measurements of building wiring and fixed installations.
Measurement category IV (CAT IV)	Applies to measurements at the primary supply line level and on overhead lines and cable systems.

- Pollution Degree applies to the degree of adhesion of a solid, liquid, or gas that deteriorates withstand voltage or surface resistivity. Pollution degree 2 applies to normal indoor atmospheres (with only non-conductive pollution).
- For conformity to environmental regulations and/or standards other than EU, contact your nearest YOKOGAWA office (PIM 113-01Z2).

Assembly procedure

WARNING

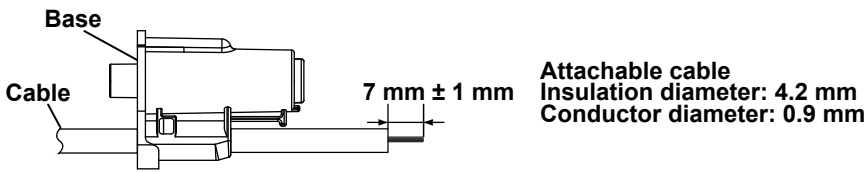
Strip the insulation from the measurement cable so that, when the cable is connected to the High Voltage Safety Terminal Adapter, its conductor (exposed part) does not protrude from the adapter. Also, securely tighten the screws on the high voltage safety terminal adapter so that the connected measurement cable does not come loose from the adapter.

French

AVERTISSEMENT

Dénudez le câble de mesure de sorte que, lorsqu'il est connecté à l'adaptateur de borne de sécurité haute tension, son conducteur (partie exposée) ne dépasse pas de l'adaptateur. De plus, serrez fermement les vis de l'adaptateur de borne de sécurité haute tension afin que le câble de mesure connecté ne se détache pas de l'adaptateur.

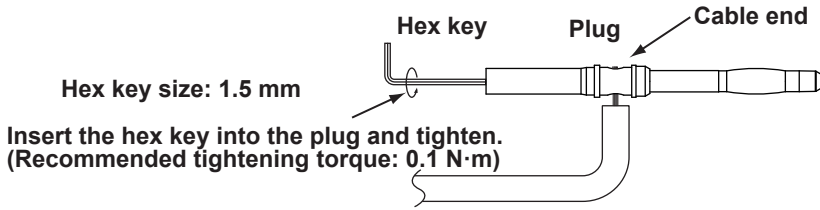
- Strip 7 mm $\pm$ 1 mm of insulation from the end of the cable, and pass the cable through the base.



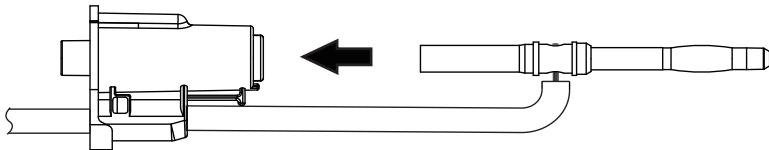
Note

- Installation may not be possible depending on the material or hardness of the cable insulation.
- A cable with silicone insulation is recommended.

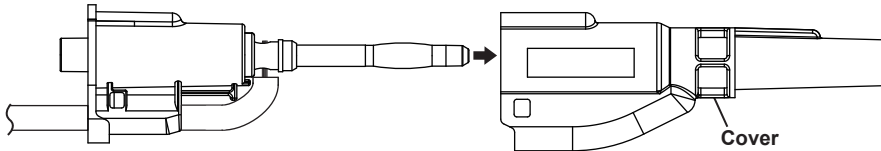
- Insert the end of the measurement cable into the plug.



- Insert the plug into the base.



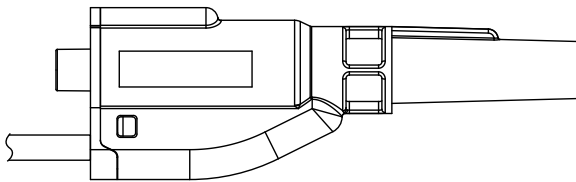
- When the cover is attached correctly, it clicks and locks into place. Check that the tabs are securely engaged and that the cover does not come off.



Note

- Once the cover has been attached, it cannot be disassembled. Attach it carefully, making sure that it is installed correctly.
- The measurement cable is not included. Use a cable that you provide separately.

This is the completed assembly.



Note

- To reduce loss between the circuit under measurement and the instrument, keep the measurement cable as short as possible.