

Notice of Alterations

Compliant with Safety and EMC Standards

English

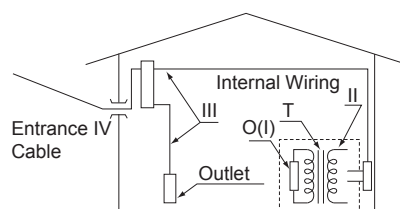
Please make the following additions to the UT100 Series (UT130/UT150/UT152/UT155/UP150/UT150L) and UD300 Series (UD310/UD320/UD350) User's Manual.



WARNING

■ Hardware Specifications

This instrument is for Measurement Category No.1.
Do not use it for measurements in locations falling under Measurement Categories No.2, No.3, and No.4.



No.	IEC/EN/CSA • UL 61010-1 : 2001	EN 61010-2-030	Description
No.1	Measurement Category I	O (Other)	For measurements performed on circuits not directly connected to MAINS.
No.2	Measurement Category II	Measurement Category II	For measurements performed on circuits directly connected to the low-voltage installation.
No.3	Measurement Category III	Measurement Category III	For measurements performed in the building installation.
No.4	Measurement Category IV	Measurement Category IV	For measurements performed at the source of the low-voltage installation.

Safety and EMC Standards

• Safety:

Compliant with IEC/EN61010-1 (CE), IEC/EN61010-2-030 (CE), approved by CAN/CSA C22.2 No. 61010-1 (CSA), approved by UL61010-1.

Installation category: II

Pollution degree: 2

Measurement category: I (CAT I) (UL, CSA)

O (Other) (CE)

Rated measurement input voltage: Max. 10 V DC

Rated transient overvoltage: 1500 V (*)

* This is a reference safety standard value for measurement category I of IEC/EN/CSA/UL61010-1. This value is not necessarily a guarantee of instrument performance.

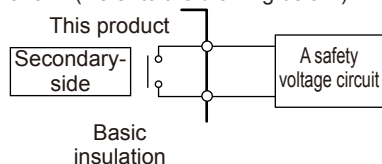
■ Wiring



CAUTION

Safety Precaution in IEC61010-1

Since the insulation provided to between relay output terminal and secondary terminal is Reinforced insulation, the connected circuit should use a safety voltage circuit to comply with IEC61010-1. (Refer to the drawing below.)



• Isolation

• Power supply terminal (100-240V AC)	• Power supply terminals AC/DC 24V (When /24 is specified) (Except for UT150L)
• Control output terminals (relay contacts) (Except for UD300)	• Measured value input terminals
• Alarm (event) output terminals (2 relay contacts)	• CT input terminals for /HBA (Except for UP150, UD300 and UT150L)
	• 2 input terminals for /EX (Except for UT130 and UD300)
	• Internal circuit
	• Control output or Manual setting output terminals: 4-20 mA (except for UT130 and UT150L)/
	• Voltage pulse (except for UD300 and UT150L)
	• RS-485 terminals for /RS (Except for UD300)
	• Retransmission output terminals: 4-20 mA (Except for UT130)

Reinforced insulation
 Functional insulation
 In case of CE conformity, alternate long and short dash line indicates basic insulation.

- EMC:

Complies with EN61326.

The instrument continues to operate at a measuring accuracy of within $\pm 20\%$ of the range during tests.

- KC marking:

Electromagnetic wave interference prevention standard, electromagnetic wave protection standard compliance

- Power Supply

Withstanding voltage

CE: Between primary terminals and secondary terminals (See notes 1 and 2.) 3000V AC for 1 minute
(Between relay terminals and secondary terminals 1500V AC for 1 minute)

UL/CSA: Between primary terminals and secondary terminals (See notes 1 and 2.) 1500V AC for 1 minute

Note 1: The primary terminals are the power supply terminals and relay output terminals.

The secondary terminals are the analog input and output terminals, the voltage pulse output terminals, and the contact input terminals.

Note 2: AC/DC 24V terminals are secondary terminals.

YOKOGAWA 

YOKOGAWA ELECTRIC CORPORATION
2-9-32, Naka-cho Musashino-shi, Tokyo 180-8750 JAPAN
YOKOGAWA CORPORATION OF AMERICA
Head office and for product sales
2 Dart Road, Newnan, Georgia 30265, USA
YOKOGAWA EUROPE B.V.
Headquarters
Euroweg 2, 3825 HD Amersfoort, THE NETHERLANDS

www.yokogawa.com/ns

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