

English

Please make the following additions and changes to the YS1000 Operation Guide and User's Manual.

Safety Precautions

The instrument is a product rated Measurement Category O (other).

* Measurement Category O (other)

This category applies to electric equipment that measures a circuit connected to a low-voltage facility and receives power from stationary equipment such as electric switchboards.

To use the instrument properly and safely, observe the safety precautions described in this user's manual when operating it. Use of the instrument in a manner not prescribed herein may compromise protection features inherent in the device. We assume no liability for or warranty on a fault caused by users' failure to observe these instructions.

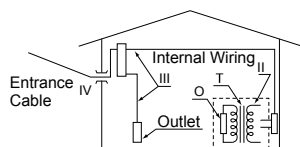
This instrument is designed to be used within the scope of Measurement Category O (other) and is dedicated for indoor use.

Input and Output Signals



WARNING

This instrument is for Measurement Category O (other). Do not use it for measurements in locations falling under Measurement Categories II, III, and IV.



Measurement Category	Description	Remarks
O (other)	For measurements performed on circuits not directly connected to MAINS.	
II CAT.II	For measurements performed on circuits directly connected to the low voltage installation.	Appliances, portable equipments, etc.
III CAT.III	For measurements performed in the building installation.	Distribution board, circuit breaker, etc.
IV CAT.IV	For measurements performed at the source of the low-voltage installation.	Overhead wire, cable systems, etc.

Input and Output Signals

Analogue input signals (Measurement Category O (other))

Rated voltage to earth of measuring circuit terminal: 33 VACrms (50/60 Hz) or 70 V DC

Voltage across ground: 300 VAC r.m.s max.

Rated transient overvoltage: 1500 V (Note)

Note: It is a value on the safety standard which is assumed by IEC/EN61010-1 in Measurement Category I, and is not the value which guarantees an apparatus performance.

Reference Performance

Item	Specifications	
Withstand voltage	Between input/output terminal and ground terminal	1000 VAC for one minute (In the case of suffix codes -00x, -01x, or -02x)
		500 VAC for one minute (In the case of suffix codes -03x, -04x, or -05x)
	Between power supply terminal (L, N) and (all I/O terminal and ground terminal)	3000 VAC for one minute (In the case of suffix codes -00x, -01x, or -02x)
		Between power supply terminal (L, N) and ground terminal

*1: Measurement category according to IEC/EN 61010-1, IEC/EN 61010-2-030: O (other)

Safety Standards

- General safety standards (suffix codes -00x, -01x, or -02x only)
IEC/EN 61010-1, IEC/EN 61010-2-030 compliant
Overvoltage category: II, Pollution degree: 2
Measurement category: O (other)
- EMC standards (suffix codes -00x, -01x, or -02x only)
Use a ferrite core and an arrester to comply with the standards.
EN61326-1 Class A, Table 2 (For use in industrial locations)
EN61326-2-3
EN55011 Class A Group 1
EN61000-3-2 Class A
EN61000-3-3
Note: The instrument continues operating at a measuring accuracy of within $\pm 20\%$ of the range during testing.
- KC marking (for all model including YSS1000)
Electromagnetic wave interference prevention standard, electromagnetic wave protection standard compliance