

For details about the functions and specifications of the module, see the user's manual of the instrument that you will use the module with.\*

\* DL750, DL750P, SL1400, SL1000, DL850, DL850V, DL850E, DL850EV, or DL350.

- Some modules cannot be used depending on the instrument model. For details, see the table on the next page.
- Depending on the module to be installed, even if it can be used, compliance conditions of the standards that each model complies with may not be met. See the footnotes to the tables in the following pages.

### Module Handling Precautions

Be sure to follow the safety precautions listed below. YOKOGAWA assumes no liability for the customer's failure to comply with these requirements. For information about how to install and uninstall modules and the specifications of the modules, see the user's manual of the instrument that you will use the module with (hereafter referred to as "the instrument").



#### WARNING

- To prevent electric shock and damage to the instrument, be sure to turn the power off before you install or remove input modules.
- Check that the input cable is not connected to the input terminals before installing or removing the input module.
- To prevent electric shock and to satisfy the specifications, make sure to put the accessory cover panel on the slots that are not being used.  
Using the instrument without the cover panel allows the dust to enter the instrument and may cause malfunction due to the rise in temperature inside the instrument.
- If the input module happens to come out of the slot while it is in use, it may cause electric shock or cause damage to the instrument as well as the input module. Make sure to screw the input module in place at the two locations (top and bottom).  
Torque for tightening the screws: 0.6 N•m
- Do not apply input voltage exceeding the maximum input voltage, or maximum rated voltage to earth.
- To avoid electric shock, be sure to ground the instrument.
- To prevent the possibility of electric shock, be sure to fasten the module screws. Otherwise, the electrical protection function and the mechanical protection function will not be activated.
- Avoid continuous connection under an environment in which the surge voltage may occur.
- 720268(HV(AAF, RMS))  
The maximum input voltage when using with DL 850, DL 850 V, DL 850 E, DL 850 EV, SL 1000 is limited to 850 V (DC + AC peak).

#### CAUTION

##### Operating Environment Limitations

This product is a Class A (for industrial environments) product. Operation of this product in a residential area may cause radio interference in which case the user will be required to correct the interference.



## AVERTISSEMENT

- Pour éviter tout risque de choc électrique et d'endommagement de l'instrument, veiller à mettre l'instrument hors tension avant d'installer ou de retirer des modules d'entrée.
- Avant d'installer ou de retirer des modules d'entrée, vérifier que le câble d'entrée n'est pas connecté aux bornes d'entrée.
- Pour éviter tout risque de choc électrique et respecter les spécifications, penser à recouvrir les slots qui ne sont pas utilisés à l'aide du cache de recouvrement prévu à cet effet.  
L'utilisation de l'instrument sans le cache de recouvrement favorise l'introduction de poussière dans l'instrument et peut entraîner un dysfonctionnement due à une température excessive à l'intérieur de l'instrument.
- Si le module d'entrée venait à sortir de son slot pendant son utilisation, cela pourrait entraîner un choc électrique ou endommager l'instrument et le module d'entrée. Veiller à bien visser le module d'entrée aux deux emplacements prévus (haut et bas).  
Couple de serrage des vis : 0,6 N•m
- Ne pas dépasser les valeurs maximales de tension d'entrée, de tension de maintien ou de surtension admissible.
- Pour éviter tout risque de choc électrique, l'instrument doit impérativement être relié à la terre.
- Pour éviter tout risque de choc électrique, toujours serrer les vis des modules, à défaut de quoi les fonctions de protection électrique et de protection mécanique ne seront pas activées.
- Éviter les connexions continues dans les environnements pouvant être soumis à surtension.
- 720268(HV(AAF, RMS))  
La tension d'entrée maximale lors de l'utilisation avec DL 850, DL 850 V, DL 850 E, DL 850 EV, SL 1000 est limitée à 850 V (DC + AC peak).

## ATTENTION

### Limitations relatives à l'environnement opérationnel

Ce produit est un produit de classe A (pour environnements industriels). L'utilisation de ce produit dans un zone résidentielle peut entraîner une interférence radio que l'utilisateur sera tenu de rectifier.

## Waste Electrical and Electronic Equipment



### Waste Electrical and Electronic Equipment (WEEE), Directive

(This directive is valid only in the EU.)

This product complies with the WEEE directive marking requirement. This marking indicates that you must not discard this electrical/electronic product in domestic household waste.

### Product Category

With reference to the equipment types in the WEEE directive, this product is classified as a "Monitoring and control instruments" product.

When disposing products in the EU, contact your local Yokogawa Europe B.V. office.  
Do not dispose in domestic household waste.

## Modules and the Instrument Models in Which the Modules Can Be Used

Check the instrument models and their firmware versions that each module can be used with. Some modules cannot be used depending on the instrument model or its firmware version. If the firmware version is old, contact your nearest YOKOGAWA dealer. You can check the firmware version with the Soft Version or Firm Version item on the Overview screen of your instrument.

Model	Module Name	Compatible Instrument Models		
		Model	Firmware Version	PC Software Version
701250	High-Speed 10 MS/s, 12-Bit Isolation Module	DL750, DL750P	1.07 and later	-
		SL1400	6.51 and later	-
		SL1000	1.10 and later	1.03 and later
		DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
701251	High-Speed High-Resolution 1 MS/s, 16-Bit Isolation Module	DL750, DL750P	1.07 and later	-
		SL1400	6.51 and later	-
		SL1000	1.10 and later	1.03 and later
		DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
701255	High-Speed 10 MS/s, 12-Bit Non-Isolation Module	DL750, DL750P	2.02 and later	-
		SL1400	6.51 and later	-
		SL1000	1.10 and later	1.03 and later
		DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
701260 <sup>1</sup>	High-Voltage 100 kS/s, 16-Bit Isolation Module (with RMS)	DL750, DL750P	2.02 and later	-
		SL1400	6.51 and later	-
		SL1000	1.10 and later	1.03 and later
		DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
701267	High-Voltage 100 kS/s, 16-Bit Isolation Module (with RMS)	SL1400	6.56 and later	-
		SL1000	2.10 and later	2.20 and later
		DL850, DL850V, DL850E, DL850EV	2.20 and later	1.01 and later
		DL750, DL750P	5.02 and later	-
701261	Universal (Voltage/Temp.) Module	SL1400	6.51 and later	-
		SL1000	1.10 and later	1.03 and later
		DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
		DL350	1.01 and later	-
701262	Universal (Voltage/Temp.) Module (with AAF)	DL750, DL750P	5.02 and later	-
		SL1400	6.51 and later	-
		SL1000	1.10 and later	1.03 and later
		DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
701265	Temperature, High Precision Voltage Isolation Module	DL350	1.01 and later	-
		DL750, DL750P	1.07 and later	-
		SL1400	6.51 and later	-
		SL1000	1.10 and later	1.03 and later
701270	Strain Module (NDIS)	DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
		DL350	1.01 and later	-
		DL750, DL750P	2.02 and later	-
		SL1400	6.51 and later	-
701271	Strain Module (DSUB, Shunt-Cal)	SL1000	1.10 and later	1.03 and later
		DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
		DL350	1.01 and later	-
		DL750, DL750P	2.02 and later	-

Model	Module Name	Compatible Instrument Models		
		Model	Firmware Version	PC Software Version
701275	Acceleration/Voltage Module (with AAF)	DL750, DL750P	3.01 and later	-
		SL1400	6.51 and later	-
		SL1000	1.10 and later	1.03 and later
		DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
		DL350	1.01 and later	-
701280 <sup>1</sup>	Frequency Module	DL750, DL750P	3.01 and later	-
		SL1400	6.51 and later	-
		SL1000	1.10 and later	1.03 and later
		DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
		SL1000	2.20 and later	2.20 and later
701281	Frequency Module	DL850, DL850V, DL850E, DL850EV	3.10 and later	1.02 and later
720210	High-Speed 100 MS/s, 12-Bit Isolation Module	SL1000	1.10 and later <sup>2</sup>	1.03 and later
		DL850, DL850V, DL850E, DL850EV	1.01 and later <sup>2</sup>	1.01 and later
720211 <sup>3</sup>	High-Speed 100 MS/s, 12-Bit Isolation Module	SL1000	2.30 and later	2.30 and later
		DL850, <sup>3</sup> DL850V, <sup>3</sup> DL850E, DL850EV	4.00 and later	1.05 and later
		DL350	1.01 and later	-
720220	16-CH Voltage Input Module	DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
		DL350	1.01 and later	-
720221	16-CH Temperature/Voltage Input Module	DL850, DL850V, DL850E, DL850EV	2.00 and later	1.01 and later
		DL350	1.01 and later	-
720230	Logic Input Module	DL850, DL850V, DL850E, DL850EV	1.01 and later	1.01 and later
		DL350	1.01 and later	-
720240	CAN Bus Monitor Module	DL850V, DL850EV	1.20 and later	1.01 and later
		DL350	1.01 and later	-
720241	CAN & LIN Bus Monitor Module	DL850V, DL850EV	2.00 and later	1.01 and later
		DL350	1.01 and later	-
720243 <sup>3</sup>	SENT Monitor Module	DL850V, <sup>3</sup> DL850EV	4.00 and later	1.05 and later
		DL350	1.01 and later	-
720250 <sup>3</sup>	High-Speed 10 MS/s, 12-Bit Isolation Module	SL1000	2.40 and later	2.40 and later
		DL850, <sup>3</sup> DL850V, <sup>3</sup> DL850E, DL850EV	4.10 and later	1.08 and later
		DL350	1.01 and later	-
720254 <sup>3</sup>	4-CH 1 MS/s, 16-Bit Isolation Module	DL850, <sup>3</sup> DL850V, <sup>3</sup> DL850E, DL850EV	4.00 and later	1.05 and later
		DL350	1.01 and later	-
		SL1000	2.40 and later	2.40 and later
720266 <sup>3</sup>	Temperature, High Precision Voltage Isolation Module (low noise)	DL850, <sup>3</sup> DL850V, <sup>3</sup> DL850E, DL850EV	4.10 and later	1.08 and later
		DL350	1.01 and later	-
		SL1000	2.40 and later	2.40 and later
720268 <sup>3</sup>	High-Voltage 1 MS/s, 16-Bit Isolation Module (with AAF, RMS)	DL850, <sup>3</sup> DL850V, <sup>3</sup> DL850E, DL850EV	4.10 and later	1.08 and later
		DL350	1.01 and later	-
		SL1000	2.40 and later	2.40 and later
720281 <sup>3</sup>	Frequency Module	DL850, <sup>3</sup> DL850V, <sup>3</sup> DL850E, DL850EV	4.10 and later	1.08 and later
		DL350	1.01 and later	-
		SL1000	2.40 and later	2.40 and later

1 Module 701260 does not comply with the EN61010-1 and EN61010-2-030 safety standards as of October 2013.

Module 701280 does not comply with Environmental Standard EN50581.

Modules 701260 and 701280 have been discontinued.

2 The recommended firmware versions are 2.21 or later for the SL1000 and 3.10 or later for the DL850, DL850V, DL850E, and DL850EV.

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- 3 These are modules released after the discontinuation of the DL850 and DL850V (December 31, 2013). If these modules are installed in the DL850 or DL850V, the compliance conditions of the standards that the DL850 and DL850V comply with will no longer be met.

For information about the most recent firmware versions, on the following Web page, select your instrument model, and go to the firmware download page.

<http://tmi.yokogawa.com/in/products/>