

Please note the following(underlined) alterations to the IMDA100-01E.

## ■ Page 3 “Main Unit DA100”

Model	Suffix Code	Description
Type	-1	Stand-alone model
	-2	Expandable model
	-B	DU100-11 (Input module) and DT300-21 (Communication module) are attached
	-C	DU100-21 (Input module) and DT300-21 (Communication module) are attached
	-D	DU100-31 (Input module) and DT300-21 (Communication module) are attached
	<u>-E</u>	<u>DU100-11 (Input module) and DT300-41 (Communication module) are attached</u>
	<u>-F</u>	<u>DU100-21 (Input module) and DT300-41 (Communication module) are attached</u>
	<u>-G</u>	<u>DU100-31 (Input module) and DT300-41 (Communication module) are attached</u>
	<u>-Q</u>	<u>DU100-11 (Input module) and DT300-31 (Communication module)* are attached</u>
	<u>-R</u>	<u>DU100-21 (Input module) and DT300-31 (Communication module)* are attached</u>
	<u>-T</u>	<u>DU100-31 (Input module) and DT300-31 (Communication module)* are attached</u>
		* With Modbus communication function
Power Cord	D	3-pin inlet w/UL, CSA cable (Part No. A1074WD)
	F	3-pin inlet w/VDE cable (Part No. A1004WD)
	R	3-pin inlet w/AS cable (Part No. A1024WD)
	S	3-pin inlet w/BS cable (Part No. A1023WD)
	<u>H</u>	<u>3-pin inlet w/GB cable (complies with the CCC)(Part No. A1064WD)</u>
	W	No power cord. Screw terminal
	Y	No power cord, 2-pin round-type connector ( <u>only when power supply code is -2</u> )

## ■ Page 3 “Subunit DS400/DS600”

Model	Suffix Code	Description
Power Cord	D	3-pin inlet w/UL, CSA cable
	F	3-pin inlet w/VDE cable
	R	3-pin inlet w/AS cable
	S	3-pin inlet w/BS cable
	<u>H</u>	<u>3-pin inlet w/GB cable (complies with the CCC)</u>
	W	No power cord. Screw terminal
	Y	No power cord, 2-pin round-type connector ( <u>only when power supply code is -2</u> )

## ■ Page 5 “Standard Accessories”

DA100-B, -C, -D, -E, -F, -G, -Q, -R, and -T are appended to the following accessories in addition to the above-mentioned standard accessories by the customer of purchase.

Main Unit Type	Name	Model	Q'ty
DA100-B	10-channel universal input module	DU100-11	1
	RS-232-C module	DT300-21	1
	RS-232-C cable		1
DA100-C	20-channel universal input module	DU100-21	1
	RS-232-C module	DT300-21	1
	RS-232-C cable		1
DA100-D	30-channel universal input module	DU100-31	1
	RS-232-C module	DT300-21	1
	RS-232-C cable		1
DA100-E	<u>10-channel universal input module</u>	DU100-31	1
	<u>Ethernet module</u>	DT300-41	1

Main Unit Type	Name	Model	Q'ty
DA100-E	10-channel universal input module	DU100-11	1
	Ethernet module	DT300-41	1
DA100-F	20-channel universal input module	DU100-21	1
	Ethernet module	DT300-41	1
DA100-G	30-channel universal input module	DU100-31	1
	Ethernet module	DT300-41	1
DA100-Q	10-channel universal input module	DU100-11	1
	RS-422-A/RS-485 module	DT300-31	1
DA100-R	20-channel universal input module	DU100-21	1
	RS-422-A/RS-485 module	DT300-31	1
DA100-T	30-channel universal input module	DU100-31	1
	RS-422-A/RS-485 module	DT300-31	1

**Note**

When DA100-B, -C, -D, -E, -F, -G, -Q, -R, and -T are used while bought, the system need not be restructured. However, when the position where the module is installed is changed or another module is installed, it is necessary to restructure the system.

■ Page 6 “Optional Accessories”

Name	Model	Description
AC adapter	DV500-001	2-pin inlet w/UL, CSA cable for DC100/DA100/DS400/DS600
	DV500-002	2-pin inlet w/VDE cable for DC100/DA100/DS400/DS600
	DV500-003	2-pin inlet w/AS cable for DC100/DA100/DS400/DS600
	DV500-004	2-pin inlet w/BS cable for DC100/DA100/DS400/DS600
	DV500-005	2-pin inlet w/GB cable (complies with the CCC) for DC100/DA100/DS400/DS600

■ Page 7 “Safety Precautions”

The following caution has been added.

**CAUTION**

This instrument is a Class A product. Operation of this instrument in a residential area may cause radio interference, in which case the user is required to take appropriate measures to correct the interference.

■ Page 1-11 “DAQ Software 32 (standard accessory)” and “DAQ Software 32 Plus (special order)”

The following five OS environment are supported.

- Windows 95
- Windows 98
- Windows NT 4.0
- Windows 2000
- Windows XP

■ Page 2-3 “Installation Method”

**Panel installation**

Attach the unit to the 2 mm-thick metal plate using the 6 screws included (length : 16 mm) according to the figure below.

■ Page 2-14 “WARNING”

- When 30 VAC or 60 VDC and more is applied to the output terminal of the alarm output module or the output terminal of the DI/DO module, use double-insulated wires (withstand voltage performance: more than 2300 VAC) for those wires which apply 30 VAC or 60 VDC and more. All other wires can be basic-insulated (withstand voltage performance: more than 1390 VAC).
- To prevent fire, use signal wires having a temperature rating of 75°C or more.

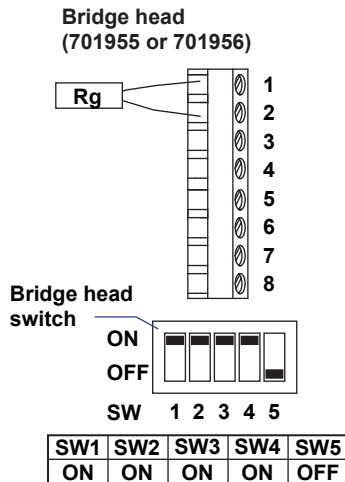
■ Page 2-14 “CAUTION”

- The overvoltage category of each input module is CAT II (IEC61010-1, CSA22.2 No.61010-1).
- The measurement category of each input module is CAT II (IEC61010-1, CSA22.2 No.61010-1).

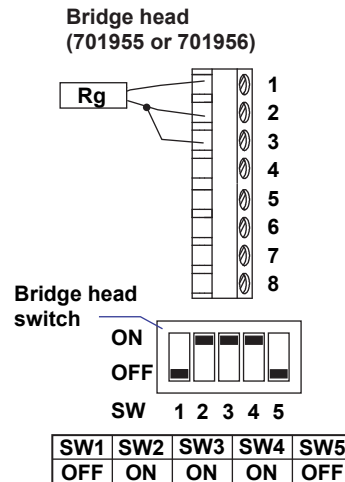
■ Page 2-17, 2-18, 2-19 “Wiring Strain Input Signal Lines (to Strain Input Module)”

In the wiring diagrams of each gauge method, the wiring diagram for the bridge box used for the DU500-14 has been changed to the following:

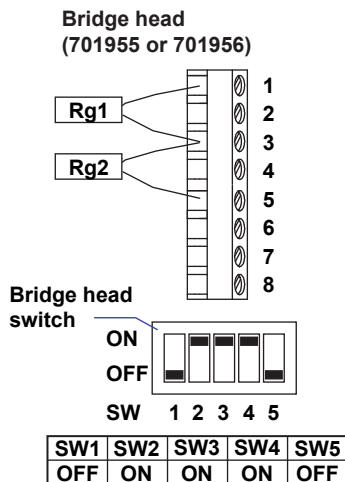
• Single-gauge method



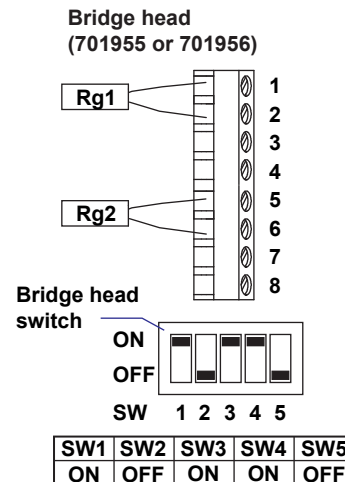
• Single-gauge three-wire method



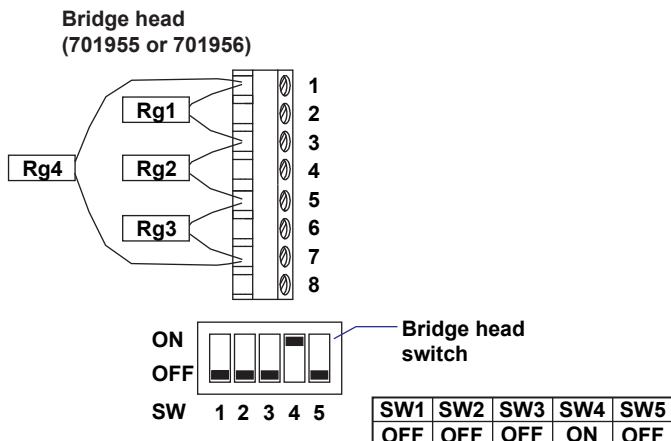
• Adjacent-side two-gauge method



• Opposed-side two-gauge method



• Four-gauge method



■ Page 2-21 “CAUTION”

- The power monitor module is a product belonging to Installation (Over-voltage) Category CAT II (IEC61010-1, CSA22.2 No.61010-1).
- The power monitor module is a product belonging to Measurement Category CAT II (IEC61010-1, CSA22.2 No.61010-1).

■ Page 2-26 “WARNING”

- To prevent electric shock, do not touch the terminals after wiring.
- Furnish a switch (double-pole type) to separate the instrument from the main power supply in the power supply line. In addition, make sure to indicate that the switch is a power control for the instrument on the switch and the ON/OFF positions of the switch.

Switch Specifications

Steady-state current rating: 3 A or more, inrush current rating: 90 A or more

Use a switch complied with IEC60947-1, -3.

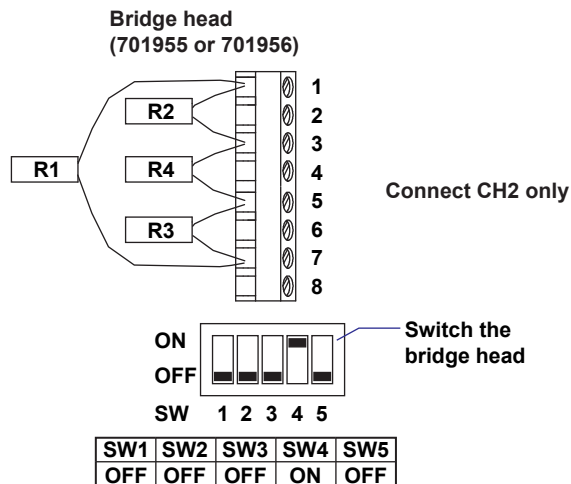
- Do not add a switch or fuse to the ground line.

■ Page 3-8 “Trouble Shooting”

Description	Cause	Action	Reference Page
The status indicator is flashing in an interval other than 1-second.	An internal error occurred.	Cut the power, wait for the instrument to cool, then, turn the power back ON again.	2-25

■ Page 3-10 “About Calibration”

For “Strain measurement” under “Connection,” the wiring diagram for the bridge box used for the DU500-14 has been changed to the following:



■ Page 4-3 Standard Computation Functions

Measurement accuracy for scaling : Measurement accuracy for scaling (digits) = Measurement accuracy (digits) x Scaling span (digits) / Measurement span (digits) + 2 digits (numbers below the decimal point are rounded up).

## ■ Page 4-5 Changes to the contents of “Information on and Process in Case of Power Failure”

The DA makes a report immediately after it recovers from the power failure and then stops reporting.

Computing results: The DA computes data measured up to the point immediately before the power failure.

Reporting time: The time when the power failure occurred.

## ■ Page 4-7 “Normal Operation Conditions”

**Installation category based on IEC61010-1, CSA22.2 No.61010-1**

II\*1

**Pollution degree based on IEC61010-1, CSA22.2 No.61010-1**

2\*2

**Warm-up time**

At least 30 minutes after power switch-on.

\*1 Describes a number which defines a transient overvoltage condition. It implies the regulation for impulse withstand voltage. “II” applies to electrical equipment which is supplied from fixed installations like distribution boards.

\*2 Describes the degree to which a solid, liquid, or gas which deteriorates dielectric strength or surface resistivity is adhering. “2” applies to normal indoor atmosphere. Normally, only non-conductive pollution occurs.

## ■ Page 4-8 “EMC Conformity Standards”

Please refer to these specifications instead of the one printed in the user's manual.

### **Safety and EMC Standards**

CSA CSA22.2 No.61010-1, installation category II, pollution degree 2

UL UL61010-1 (CSA NRTL/C)

C-Tick EN55011 compliance, Class A, Group 1

KC marking Electromagnetic wave interference prevention standard, electromagnetic wave protection standard compliance

## ■ Page 4-13, 4-17, 4-19, 4-21, 4-22, 4-29 “Specifications of Module”

### **Installation Category (Overvoltage Category)**

CAT II (IEC61010-1, CSA22.2 No.61010-1)

### **Measurement Category**

CAT II (IEC61010-1, CSA22.2 No.61010-1)

## ■ Page 14-18 “Specifications of Strain Input Module”

Gauge Method	Measurement Range Type	Rated Measurement Range	Accuracy	Resolution
Single-gauge	2000µε	-2000 to 2000µε	0.5% of Range	0.1µε
	20000µε	-20000 to 20000µε	0.3% of Range	1µε
	200000µε	-200000 to 200000µε	0.3% of Range	10µε
Two-gauge	1000µε	-1000 to 1000µε	0.5% of Range	0.1µε
	10000µε	-10000 to 10000µε	0.3% of Range	1µε
	100000µε	-100000 to 100000µε	0.3% of Range	10µε
Four-gauge	500µε	-500 to 500µε	0.5% of Range	0.1µε
	5000µε	-5000 to 5000µε	0.3% of Range	1µε
	50000µε	-50000 to 50000µε	0.3% of Range	10µε

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■ Page 4-19 “Specifications of Strain Input Module”

**Accessory**

Bridge head: 701955, 701956

■ Page 4-29 “Retransmission Module”

**Load capacitance**

0.22  $\mu$ F or less

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**Highest resolution**

DT500-11: 12 bit (approx. 1.43 mV) DT500-21: 12 bit (approx. 5.86  $\mu$ A)