User's Manual

Model 3721 and 3722 LR4200E Recorders

Notice of Alterations

Please note the following (underlined) alterations to the IM3721-01E.

■ Page 1-4 and Page 7-1

Please note the change to the part number of the fuse.

Please note that fuse part number A1111EF on the relevant pages has been changed to A1177EF.

■ Page 6-56 "6.4.6 Alarm Setting"

Notes:

1. Alarms detection is made every 125 ms, but it can take 1 s for internal processing. Therefore it may take a maximum of 1 s to detect the alarm after it is activated. Also there are times when the alarm level is reached, but the alarm does not occur.

■ Page 6-120 "6.4 Setting." Please note the addition of the following.

Notes Regarding the Setting Screen

The setting screen display in section 6.4 describes all setting items. The actual instrument display may vary depending on the model. The total number of displayable lines (Displayable Lines), number of lines used for displaying setting items (Setting Item Lines), and the number of lines used for menus corresponding to each setting item (Menu Lines) are given below for each model.

Model	Type	Displayable Lines	Setting Item Lines	Menu Lines
372□1□	1-Pen model	2	1	1
372□2□	2-Pen model	2	1	1
372□3□	3-Pen model	3	2	1
372□4□	4-Pen model	4	3	1

■ Page 8-1 "8 SPECIFICATIONS"

Input Types & Measuring Ranges:

RTD... Pt100 (1 mA), Pt50 (1 mA), JPt100 (1 mA), JPt50 (1 mA), Ni100 (1 mA), J263*B
Pt100 : JIS C 1604-1989, JIS C 1606-1989, DIN IEC 751-1983, IEC 751-1983
Pt50 : Conforms to JIS C 1604-1989, JIS C 1606-1989, DIN IEC 751-1983, IEC 751-1983
JPt100 : JIS C 1604-1989, JIS C 1606-1989
JPt50 : JIS C 1604-1981, JIS C 1606-1986
Ni100 : DIN, SAMA

Accuracy:

TC... ± (0.05% of rdg + 0.5°C) for K, E, J, T, L, U and KP vs Au7Fe,
± (0.05% of rdg + 1°C) for R, S and B,
± (0.05% of rdg + 0.5°C) for N,
± (0.05% of rdg + 1°C) for W.

RTD... ± (0.05% of rdg + 0.2°C) for Pt 100 Ω, JPt100 and Ni 100 Ω,
± (0.05% of rdg + 0.3°C) for Pt 50 Ω and J263*B.

Change the above specifications according to the table below.

RTD Range

Range	Measuring Range °C	Accuracy
Pt100:1	-200.0 to 850.0	(0.05% of rdg +0.3°C)
Pt100:2	-200.0 to 400.0	(0.05% of rdg +0.2°C)
Pt100:3	-150.0 to 150.0	(0.05% of rdg +0.1°C)
Pt50:1	-200.0 to 640.0	(0.05% of rdg +0.3°C)
Pt50:2	-50.0 to 600.0	(0.05% of rdg +0.3°C)
JPt100:1	-200.0 to 640.0	(0.05% of rdg +0.3°C)
JPt100:2	-200.0 to 400.0	(0.05% of rdg +0.2°C)
JPt100:3	-150.0 to 150.0	(0.05% of rdg +0.1°C)
JPt50:1	-200.0 to 640.0	(0.05% of rdg +0.3°C)
JPt50:2	-50.0 to 600.0	(0.05% of rdg +0.3°C)
Ni100/DIN	-60.0 to 180.0	(0.05% of rdg +0.2°C)
Ni100/SAMA	-200.0 to 250.0	(0.05% of rdg +0.2°C)
J263*B	0.0 to 300.0K	(0.05% of rdg +0.3K)

Filter: 0.1, 1 Hz or OFF (When OFF is selected, the frequency characteristic is 10 Hz selectable).

Additional Specifications

STANDARDS COMPLIANCE

CE: EMC directive; EN61326
EN61000-3-2
EN61000-3-3
Low voltage directive; EN61010-1; overvoltage category II, measurement category II, pollution degree 2

C-Tick: Conforms with AS/NZS CISPR11 Class A Group 1

■ Page 8-2 "DISPLAY"

Display Modes:

3 display modes can be selected at a push of DISPLAY SELECT key; Digital data display ... Measured data (7 digits), data and time, or chart speed (Date not displayed on the 1- and 2-pen models.), Bar graph display (2.5% resolution), Range data display.