

10. Changing the Transmitter Channel and Group ID

■ Changing the Transmitter Channel

The LX-7230 is a transmitter of PLL synthesizer type, and its transmitter channel can be programmed. It can be set up with an arbitrary channel among the channels assigned by the Telemetry Laws (according to each country).

For details of the setting change, contact your local Fukuda Denshi service representative.

WARNING

- If the transmitter channel is changed, follow the instruction by the person in charge of the radio telemetry channel in your facility. Mismanagement may result in a serious accident, such as interference and mixing up patients.
- Replace promptly the new channel label if the transmitter channel has been changed.

■ Changing the Group ID

The LX-7230 transmits its group ID, which it belongs to, to prevent interference with neighboring hospital's transmitter.

The receiving monitor checks whether the incoming group ID is the same as the programmed one that the receiving monitor has. There are 64 group codes available. The default setting is "00".

The transmitter group ID can be changed if there is interference with a neighboring hospital's transmitter,

For details of the setting change, contact your local Fukuda Denshi service representative.

CAUTION

Possible causes of interference other than radio telemetry from neighboring hospital's transmitter, are the proximity of cell phone, amateur radio station, radio taxi, and illegal citizens band, which may be a cause of interference. In such a case, the situation should be carefully observed to find the cause of interference.

13. Maintenance and Inspection

This section explains the daily checks and periodic checks of the LX-7230. To ensure safety, reliability, and high performance, a “Daily Check” and “Periodic Check” must be performed. We are not liable for any accident arising from lack of maintenance.

CAUTION

- Do not open the housing or attempt service. The service should be done by Fukuda Denshi or Fukuda Denshi’s representative.
- Do not allow excessive moisture or cleaning agents into the connectors or inside the equipment.

■ Daily Check

Perform daily checks using the “Daily Check List” on the next page.

■ Periodic Check

Periodic check of medical electronic equipment is mandatory to prevent failures and accidents and to ensure safety and reliability. Periodic maintenance may be performed by the medical institution or by a third party by concluding a “Maintenance Contract”. For more details, contact your local Fukuda Denshi service representative.

■ Periodic Replacement Parts

The “**Battery Compartment Lid (Waterproof)**” is the only periodic replacement part.

To ensure the reliability of waterproof (IPX8) performance of the LX-7230, replace it once a year.

You may be able to keep using the LX-7230 without periodic replacement of the lid. However, as it gets older, the reliability of water resistance (IPX8) performance will not be ensured.

When replacing the lid, contact your local Fukuda Denshi service representative.

CAUTION

The periodic replacement parts must be replaced at specified period.

13. Maintenance and Inspection

Daily Check List

No. _____

Inspected Date _____ Inspected by _____ Location _____

Device Type LX-7230N/KM S/No. _____ Date of Purchase _____

<i>Items</i>	<i>Details</i>	<i>Criteria</i>	<i>Judgment</i>
Appearance	Visually check for any damage, cracks, chip, peeled label, and loosen screw on the housing.	No abnormality should be found.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG
Battery Compartment	Visually check for the ring condition of the battery compartment lid.	No damage, kink, floating, and adhesion of dust should be found.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG
	Visually check for the contact springs, inside the LX-7230, to the battery and the lock lever of the battery compartment lid.	No deformation, cracks, and rust should be found.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG
Power Supply	Turn the power ON/OFF to verify proper switch operation.	With batteries installed, the LCD should turn ON.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG
ECG Connectors	Visually check the connectors of the cable and the LX-7230.	No damage, chip, and adhesion of dust should be found.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG
ECG Lead cable	Visually check each lead for damages.	No crack and damage should be found.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG
SpO ₂ Relay Cable (LX-7230KM only)	Visually check the cable, and connector for damages.	No crack, chip and damage should be found.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG
SpO ₂ Sensor (Probe)	Visually check the cable, optical receiver, LED, and connector for damages.	No crack, chip, damage, and adhesion of dust should be found.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG
Wireless Channel	Verify whether the transmitting channel and group ID are the same with the receiving monitor.	Must match the wireless channel check list.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG
Transmission Function	Turn the power ON and make sure the information is displayed on the receiving monitor.	Waveforms and values should be received without any problem.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG
Display Function	Turn the power ON and verify each display condition, such as SpO ₂ value and bargraph.	All data should be properly displayed.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG
Periodic Check	Check the date of the previous periodic check.	Should be within one year.	<input type="checkbox"/> OK/ <input type="checkbox"/> NG

Comment
