SECTION 5
Troubleshooting

This section lists the errors that may occur, along with their probable causes and remedies.

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5-1   Connection Errors

Problem	Probable cause
The POWER indicator is not lit.	The Power Supply is not connected properly.
	The supply voltage is not 24 VDC $^{+10\%}/_{-15\%}$.
The measurement results do not appear on the Video Monitor.	The F400 is not in Monitor or Run mode.
The Video Monitor is blank.	The power to the Video Monitor is not ON.
	The Monitor Cable is not connected properly.
	The Video Monitor is malfunctioning.
Cannot make key inputs from the Console.	The Console Cable is not correctly connected.
Camera images do not appear on the screen.	The Camera Cable is not properly connected.
	The lens cap has not been removed.
	The lens diaphragm is opened or closed too far.
	The shutter speed is not suitable.
	The lighting method is not suitable.
The Video Monitor image is not clear.	There is electrical noise entering from the power supply or cables.
	The Monitor Cable is not correctly connected.
There is color displacement on the Video Monitor image.	Infrared-cutting filter is necessary when using a halogen lamp without an infrared-cutting function.
	White balance adjustment is needed.

5-2   Errors during Menu Operation

Problem	Probable cause
The measurement results are not displayed on the Video Monitor.	The F400 is not in Monitor or Run mode.
Menu characters are not displayed on the Video Monitor.	Characters are set to be deleted in the System/Set Key Operation.
Display image cannot be switched.	Do the same operation again.

5-3   Terminal Block Errors

Problem	Probable cause
Trigger signals (input signals) are not received.	The cables are not correctly wired.
	The signal line is disconnected.
	The F400 is not in Monitor or Run mode.
Signals cannot be output externally.	The trigger signal has not been input.
	The cables are not correctly wired.
	The signal line is disconnected.
	The F400 is not in Run mode.

5-4   RS-232C Communications Errors

Problem	Probable cause
No communications are possible.	The cables are not correctly wired.
	The communications specifications do not match those of the external device.
	The F400 is not in Run mode.
The Unit operates well initially, but after a while there is no response from the F400.	The reception buffer on the external device (e.g., computer) is full. Check that settings allow the data to be properly received.