

SECTION 7

Troubleshooting

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

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Message	Probable Cause and Remedy
Camera is not connected.*	<ul style="list-style-type: none"> The Camera Cable is not connected properly.
Incorrect data format received.*	<p>There is a mistake in the data for which transfer between the F150-2 and the external device was attempted. Turn OFF the power to the F150-2, and check for the following items before restarting the F150-2.</p> <ul style="list-style-type: none"> The RS-232C cable is connected properly. The terminal block is wired correctly. <p>If the same error message appears after restart, it may mean that the F150-2 is faulty. Contact your OMRON representative.</p>
Insufficient flash memory.	<p>An error has occurred in flash memory. Data cannot be saved because of insufficient available flash memory.</p> <ul style="list-style-type: none"> Either make the region to be registered smaller, or clear unneeded regions from memory. <p>If the same error message appears after the regions have been reduced, it may mean that flash memory is faulty. Contact your OMRON representative.</p>
Insufficient work memory.	<p>No more regions can be registered because of insufficient available work memory.</p> <ul style="list-style-type: none"> Either make the model or region to be registered smaller, or clear unneeded models or regions.
Measurement conditions cannot be set for current images.	<p>Check for one of the following:</p> <ul style="list-style-type: none"> The registered image is unclear. Using one of the optional functions, adjust the images so that the difference between OK objects and NG objects is clear. The differences between OK images and NG images are too few. Register new sample images.
Register at least one OK sample image.	<p>The measurement conditions can only be set automatically if at least one OK image has been registered.</p> <ul style="list-style-type: none"> Register an OK image.
Register images before inspection regions setting.	<p>An image has not been registered.</p> <ul style="list-style-type: none"> Register OK and NG images before using the optional functions.
Set all images to OK or NG.	<p>There is a registered memory image for which an OK or NG judgement has not been made.</p> <ul style="list-style-type: none"> Identify the number of the registered memory image for which ?? is displayed. Move the cursor to that number and set an OK or an NG judgement, or clear the image from memory.

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Message	Probable Cause and Remedy
Set all regions to OK or NG.	Check for one of the following: <ul style="list-style-type: none"> • Has an NG image been added as a sample image? When adding an NG image as a sample image and re-performing automatic setting, the scene must be cleared first. Even if the scene is cleared, the registered sample images will be saved. Set OK or NG for those images, and re-perform automatic setting. • An OK or NG judgement has not been set for a measurement region drawn with the optional functions. Move the cursor to number of the region for which ?? is displayed, and set an OK or an NG judgement.
Set parameters so that Output Period \geq Gate ON delay + Gate ON time.	The communications specifications for the terminal block are set incorrectly. <ul style="list-style-type: none"> • Make the settings so that output period \geq GATE ON delay + GATE ON time.
Timeout error.*	Data transfer has been interrupted due to a timeout error in communications between the F150-2 and an external device. Turn OFF the power to the F150-2, and check for the following items before restarting the F150-2. <ul style="list-style-type: none"> • The RS-232C cable is connected properly. • The terminal block is wired correctly. • The communications specifications for the external device and the F150-2 are the same. If the same error message appears after restart, it may mean that the F150-2 is faulty. Contact your OMRON representative.

Note When the error messages marked with an asterisk are displayed, the ERR terminal will come ON.

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