

Error code list

Model: GD-84D

Category	Symptom/Display (Fault code)	Cause	Corrective action
Fault Alarm	E-10 F-UNIT	The sensor is not connected or connected improperly.	Check to confirm that the sensor is properly attached and that the connector of the sensor is properly connected.
		There are problems with communicating with the sensor.	Replace with a new sensor.
	E-18 S ZERO	Zero drift due to changes in ambient conditions or deterioration exceeded the zero follower function range.	Perform zero calibration. Replace the sensor if this happens often even after zero calibration.
	E-11 SENSOR	There is a problem with the sensor.	Replace with a new sensor. Avoid handling with bare hands if you see signs of external damage. Handle carefully.
	E-12 CIRCUIT		
	E-13 S VOLT		
	E-14 S E-VOLT		
	E-15 S K-VOLT		
	E-16 S E-CUR		
	E-20 S ROM		
	E-21 S RAM		
	E-22 S MEMORY		
	E-23 S EXT-AD		
	E-27 S S-VOLT		
E-28 S TEMP			
E-29 S B-VOLT			
Warnings Display	E-80	The sensor has reached the end of its service life or is degraded; or the output device has reached the end of its service life.	Replace with a new sensor.
	E-81		
	E-82		
	E-83	The temperature exceeded the maximum temperature at which the sensor is designed to function.	Ambient temperatures may exceed specifications. Gas detection can still be performed in this state, but the sensor will degrade more quickly. If possible, use within the temperature range indicated in the specifications. Replace the sensor if this occurs frequently even at temperatures within specifications.
	C-15	A warning was triggered in the sensor.	Gas detection can still be performed in this state, but performance may be impaired. Replace the sensor as soon as possible.
E-84			

Category	Symptom/Display (Fault code)	Cause	Corrective action
Fault Alarm	E-51 FLOW	The protective rubber caps are still attached.	Remove the protective rubber caps attached to GAS IN and GAS OUT.
		Pump failure	Replace the pump unit.
		Flow loss due to clogged dust filter	Replace the dust filter.
		Flow loss due to bent or blocked inlet or outlet tube.	Fix the problem.
		The sensor is not connected or connected improperly.	Check to confirm that the sensor is properly attached and that the sensor connector is connected properly.
E-52 F SENS 1	Flow sensor wire breaks or faulty connection.	Contact distributor.	
E-53 F SENS 2			
Warnings Display	E-50 FLOW	Flow instability due to impaired pump performance	The pump (and pump performance) may be degraded. Gas detection can still be performed in this state. However, you should replace the pump unit as soon as possible.
		Flow instability due to clogged dust filter	Replace the dust filter.
		Flow instability due to bent or blocked inlet or outlet tube	Fix the problem.
	E-56 PATH	Improper installation of the chamber unit, knurled screws not tightened properly	Fasten the chamber unit properly.
		The chamber switching unit is not at the proper position.	Return the chamber switching unit to the [D] (detection mode) position.
		Blockage in one of the flow passages	Fix the problem.
	E-58 F SENS 1	An abnormality was discovered during routine flow sensor diagnostics.	The flow sensor performance may be degraded. Degradation of the flow sensor may result in false readings (i.e., the flow may be outside the stipulated range of 0.6 L/min \pm 10% (0.54 - 0.66) even if the displayed flow is the stipulated value. It is still possible to detect gases as long as no other fault alarm such as flow loss occurs. Note that you must replace the flow sensor to clear this warning. Contact distributor.
	E-59 F SENS 2		
-	The difference between the flow measured on the main unit and the actual flow is beyond specifications. (0.6 L/m \pm 10% (0.54 - 0.66))	Improper flow default setting	The default setting for flow on the main unit may be incorrect. Use a flowmeter to set the default flow. Frequent occurrence of these symptoms may indicate a defective flow sensor. Replace the sensor. Contact distributor.

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Fault Alarm	E-99 B-VOLT	The power supply voltage is not within the specified range of values.	Check the voltage of the supplied power source.
	E-96 TERM	The terminal unit isn't connected.	Check the connections to the terminal unit. For the ET model, go to maintenance mode and set the terminal unit to OFF.
		Communication problems between the main unit and the terminal unit	
		System error in terminal unit	Contact distributor.
	E-90 ROM	Problems with ROM, RAM, or nonvolatile memory in the device	Contact distributor.
	E-91 RAM		
E-92 MEMORY			
Warnings Display	E- 6 COMM	Communication cable problems	Check the wiring for this product and for related devices. For 4 - 20 mA models, set the caution display and caution output [E-6] to OFF. * The same measures are required if no LAN cable is used with an EA model.
		The communication between the main unit and the communication board is faulty	Contact our sales department. For 4 - 20 mA models, set the caution display and caution output [E- 6] to OFF.
		Effects of external noise	Turn the power OFF and restart. If similar symptoms recur frequently, take appropriate measures to address the noise source.
	E- 9 RTC	Clock abnormality in device	Set the date and time. Corrections may not work if the sensitivity correction function is enabled. Frequent occurrence of these symptoms may indicate a defective internal clock. Replace the internal clock. Contact distributor.
	E-94 FLASH	Problem with device flash memory	Gas detection can still be performed in this state, but some internal data logging functions may not function properly. Contact distributor.
	E-98 FAN	Problem with device fan	High internal temperatures may reduce service life. Check to confirm that the connector for the fan unit is properly connected. Replace the fan unit, if necessary. If there is no improvement, contact distributor.