

6. Diagnostics

6.1 Error Messages

6.1.1 Fatal Error Codes

The following errors are classified as fatal and require that the system be repowered to be cleared:

Displayed Error Msg.	Fault	Action
Err 11	Excess pulses detected on either pulser channel.	Pulse channel detector may have failed.
Err 12	Excess pulser reverse rotation.	Non-return valve may be faulty.
Err 16	Pulser disconnected.	Check pulser connections.
Err 17	Illegal pulser state or state transition.	Check pulser. Channel may have failed or excess rotation speed may have occurred.
Err 34	Processor Silicon Serial Number device not detected.	SSN IC is damaged or missing. Processor may require replacement.
Err 35	EEPROM data error.	Re-enter configuration data. If error reoccurs replace Processor board.
Err 36	EEPROM totals data error.	Re-power system. If error reoccurs replace Processor board.
Err 38	Flash memory error.	Replace Processor board.
Err 39	EEPROM failure.	EEPROM not responding. Replace processor board.
Err 80	PSU Expansion Card offline.	Check connections to PSU Expansion card.
Err 84	Temperature Probe Interface Card offline.	Check TBus power. Check connections to Temperature IFC.
Err 88	Data message response from Display board not detected.	Check TBus power. Check connections to Display board.
Err 89	Display board not detecting data message from processor.	Check TBus power. Check connections to Display board.