Figure 44

15.1 List of Possible Errors

The following is a list containing errors and their corresponding codes. Each error scrolls through the meter display and is not combined with others. Display blocking errors are serious errors and do not allow the display to continue scrolling.

Name	Code	Display Blocking	Cause	Required Action
ERR_UNPROGRAMMED	001	No	Meter is not programmed or in a factory default state	This error is set when firmware takes default setting data during initialization after power was up.
ERR_CONFIG	002	Yes	Meter detected a configuration error	Currently not supported by meter
ERR_SELFCHK	003	Yes	Meter detected a self-check error: Meter tried to recover reading data from backup	Reset the meter.

Name	Code	Display Blocking	Cause	Required Action
			memory after power was up and did not found any good records	
ERR_RAMFAILURE	004	Yes	Meter detected a RAM Memory failure	Currently not supported by meter
ERR_ROMFAILURE	005	Yes	Meter detected a ROM Memory failure	Currently not supported by meter
ERR_NONVOLMEMFAILURE	006	Yes	Meter detected a non-volatile memory failure. Meter tried to save reading data in the EEPROM memory unsuccessfully.	Call to the manufacturer if this error has not gone after 5 minutes.
ERR_CLOCK	007	No	Meter detected a clock error	Meter internal time is outside of the range: FW build time and 30 years after
ERR_MEASUREMENT	008	Yes	Meter detected a measurement element error	Currently not supported by meter
ERR_LOWBATTERY	009	No	Meter detected a low battery error	Replace the battery
ERR_LOWLOSSPOTENTIAL	010	No	Meter detected one of the device potential that is below a predetermined value.	Check the meter connection to the network. Check if the meter form-factor settings matches the faceplate label.
ERR_DEMANDOVERLOAD	011	No	Meter detected a demand threshold overload	Currently not supported by meter
ERR_POWERFAILURE	012	No	Meter detected a power failure. Power register in the computation engine was corrupt	Cycle meter power. Call to the manufacturer if this error has not gone.
ERR_TAMPERDETECT	013	Yes	Meter detected tamper activity – reverse energy flow when "Reverse Allowed" box is unchecked.	Reset the tamper flag.
ERR_REVERSEROTATION	014	No	Meter detected reverse rotation	Currently not supported. Used ERR_TAMPERDETECT
ERR_RADIO	101	Yes	Meter detected an error in	Cycle meter power. Call

Name	Code	Display Blocking	Cause	Required Action
			the radio chip. Used on meters with the radio communication	to the manufacturer if this error has not gone.
ERR_POWERSWITCH	102	No	Meter detected a power switch error. Used on meters with the connect/disconnect switch. Can be switch board or switch malfunctioning	Replace switch board or power switch
ERR_NOTCALIBRATED	103	No	Meter is not calibrated	Calibrate the meter
ERR_EMRG_DISCONNECT	104	No	Load current exceeded threshold. See 6.5 Disconnect Switch tab	
ERR_DETECTED_SENSOR	105	No	A tilt switch triggered alarm	Reset the tamper flag