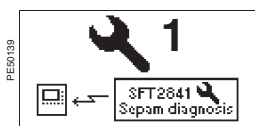




Major faults are only cleared after the cause of the fault is corrected and Sepam is switched on again.



Fault message on display:
major fault

MAJOR fault: Sepam is in fail-safe position

- ON LED of UMI on in front
- LED of UMI on in front
- or LED of DSM303 remote advanced UMI flashing
- green LED on rear panel on
- red LED on rear panel on.

Note : The list of self-tests which place Sepam in the fail-safe position can be found in the Control and monitoring functions section of the Sepam series 80 function user's manual , reference SEPED303001EN.

Connection cannot be made with SFT2841

Possible cause	Action / remedy
Memory cartridge absent.	Switch off Sepam. Install the memory cartridge and secure it by tightening the 2 integrated screws. Switch Sepam on again
Major internal fault.	Change base unit (see page 164).

Connection can be made with SFT2841

Possible cause	Action / remedy
SFT2841 indicates major fault, but no missing module: Base unit internal fault.	Change base unit.
Memory cartridge not compatible with version of the base unit (see below).	Note the version using the SFT2841 software, Diagnosis screen. Contact the local support team.
The hardware configuration is incorrect or incomplete.	Use the SFT2841 software, in connected mode, to determine the cause. The SFT2841 Diagnosis screen displays the missing items in red (see table below).

Check on hardware configuration using SFT2841

Diagnosis screen	Possible cause	Action / remedy
CCA630, CCA634, CCA671 or CCA640 connector in B1 or B2 position displayed in red.	Connector absent.	Install a connector. If the connector is present, check that it is plugged in correctly and held in place by the 2 screws.
	LPCT sensors not connected.	Connect the LPCT sensors.
Connector in position E displayed in red.	Connector E unplugged or no jumper between terminals 19 and 20.	Plug in connector E. Fit the jumper.
MES120 module in H1 , H2 or H3 position displayed in red.	MES120 module absent.	Install MES120 module. If the MES120 module is present, check that it is plugged in correctly and held in place by the 2 screws. If the fault is still present, replace the module.

Rules on compatibility between the cartridge and the base unit

The major index of the base-unit version must be greater than or equal to the major index of the cartridge-application version.

Example: The base unit with a version V1.05 (major index = 1) and an application with a version V2.00 (major index = 2) are not compatible.

If this rule is not observed, a major fault occurs and Sepam displays the message opposite.

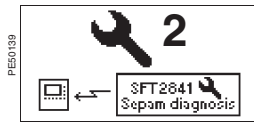


Fault message displayed
if cartridge is not compatible.

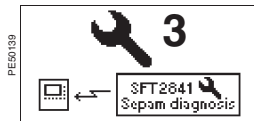
MINOR fault: Sepam is operating in downgraded mode

- ON LED of UMI on in front
-  LED of UMI flashing in front
- green LED on rear panel on
- red LED on rear panel flashing.

Note : The list of self-tests which place Sepam in downgraded operation mode can be found in the Control and monitoring functions section of the function user's manual
Sepam series 80, reference SEPED303001EN.



Fault message on display:
inter-module link fault.



Fault message on display:
MET148-2 not available.

Inter-module link fault

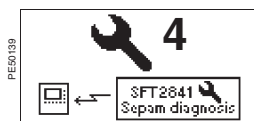
Possible cause	Action / remedy
Faulty wiring.	Check remote module connections: RJ45 plugs of CCA77x cords clipped correctly into sockets.

MET148-2 module not available

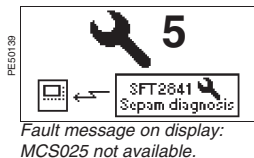
LEDs	Possible cause	Action / remedy
MET148-2 green and red LEDs off.	Faulty wiring.	Check module connections: RJ45 plugs of CCA77x cords clipped correctly into sockets.
MET148-2 green LED on. MET148-2 red LED off.	No response from MET148-2 module.	Check the position of the module number selection jumper: ■ MET1 for first MET148-2 module (temperatures T1 to T8) ■ MET2 for second MET148-2 module (temperatures T9 to T16). ■ If the jumper position needs to be changed, reboot the MET148-2 module (by disconnecting and reconnecting the interconnection cord).
MET148-2 red LED flashing.	Faulty wiring, MET148-2 powered but loss of dialogue with base unit.	Check module connections: RJ45 plugs of CCA77x cords clipped correctly into sockets. If the MET148-2 module is the last in the chain, check that the line terminating jumper is in the Rc position. In all other cases, the jumper should be in the position marked Rc .
MET148-2 red LED on.	More than 3 remote modules connected to connector D1 or D2 on base unit.	Distribute remote modules between D1 and D2.
	MET148-2 module internal fault.	Change MET148-2 module.

MSA141 module not available

LEDs	Possible cause	Action / remedy
MSA141 green and red LEDs off.	Faulty wiring, MSA141 not powered.	Check module connections: RJ45 plugs of CCA77x cords clipped correctly into sockets.
MSA141 green LED on. MSA141 red LED flashing.	Faulty wiring, MSA141 powered but loss of dialogue with base unit.	Check module connections: RJ45 plugs of CCA77x cords clipped correctly into sockets. If the MSA141 module is the last in the chain, check that the line terminating jumper is in the Rc position. In all other cases, the jumper should be in the position marked Rc .
MSA141 red LED on.	More than 3 remote modules connected to connector D1 or D2 on base unit.	Distribute remote modules between D1 and D2.
	MSA141 module internal fault.	Change MSA141 module.



Fault message on display:
MSA141 not available.

**MCS025 module not available**

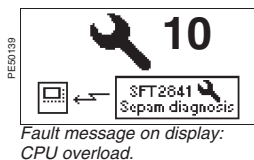
LEDs	Possible cause	Action / remedy
MCS025 LED flashing.	Faulty wiring, MCS025 powered but loss of dialogue with base unit.	Check that a CCA785 cord is used with orange RJ45 plug on MCS025 end. Check module connections: RJ45 plugs of CCA785 cord clipped correctly into sockets.
MCS025 LED on.	Internal fault or MCS025 fault.	Check connections (DPC function - detection of plugged connector).

DSM303 module not available

LEDs	Possible cause	Action / remedy
DSM303 LED on and display off.	Module internal fault.	Replace the DSM303 module.

Faulty Sepam UMI

Display	Possible cause	Action / remedy
Advanced or mimic-based UMI display off.	Display internal fault.	Replace the base unit. See page 164.

**Detection of Sepam CPU overload**

Possible cause	Action / remedy
The application configured exceeds the CPU capacity of the Sepam series 80.	Reduce the size of the Logipam program used on the Sepam series 80, or switch off some protection functions. For further information, contact your local support center.

Alarms**"METx FAULT" message.**

RTD fault	
Possible cause	Action / remedy
An RTD on a MET148-2 module is disconnected or short-circuited.	Since the alarm is common to the 8 channels of the module, go to the temperature measurement display screen to determine which channel is affected by the fault. Measurement displayed: Tx.x = -**** = RTD disconnected (T > 205 °C (401 °F)) Tx.x = **** = RTD short-circuited (T < -35 °C (-31 °F))

"BATTERY LOW" message.

Battery fault	
Possible cause	Action / remedy
Battery low, absent or incorrectly installed.	Replace the battery. See page 164.