






Analyzer cell

SYMPTOM	ORIGIN / DIAGNOSTIC CONFIRMATION	REMEDY
 Critical failure  Chap. C <i>"Error/information indicator and display"</i>		
Cell pres. > 0.01 mbar	Analyzer cell pressure too high / leak (spectro P11 safety activated)	Check tightness of the analyzer cell. Eliminate the leak.
Cell pres. > 1e-04mbar	Analyzer cell pressure too high / leak (triode safety activated)	Keep pumping the cell for 10 min (in stand-by mode). If the trouble is not eliminated check tightness of the analyzer cell. Eliminate the leak.
Cell gauge failure	Analyzer cell spectro P11 safety damage	Contact customer service.
Filaments #1 & #2 bad	Both filaments broken	Replace the filaments  E 60
Fil1- collector short	Short circuit in the cell (fil1 collector shunt message)	Eliminate the short circuit in the cell  E 60
Fil2- collector short	Short circuit in the cell (fil2 collector shunt message)	Eliminate the short circuit in the cell  E 60
No collector voltage	Supervisor board P0302 or P0320 board	Contact customer service.

Analyzer cell

SYMPTOM	ORIGIN / DIAGNOSTIC CONFIRMATION	REMEDY
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 **Major fault**  **Chap. C**
"Error/information indicator and display"

Cell pressure safety

Analyzer cell
 pressure too high / leak
 or air inlet
 (spectro P11 safety activated)

Keep pumping the cell for 10 min (in stand-by mode). If the trouble is not eliminated check tightness of the analyzer cell. Eliminate the leak and check the state of the filaments.

Triode safety

Analyzer cell
 pressure too high / leak
 (triode safety activated)

Keep pumping the cell for 10 min (in stand-by mode). If the trouble is not eliminated check tightness of the analyzer cell. Eliminate the leak and check the state of the filaments.

Emission failure

Filament off
 (during cycle, calibration)
 or defective

Check or replace the defective filament.

 **E 60**