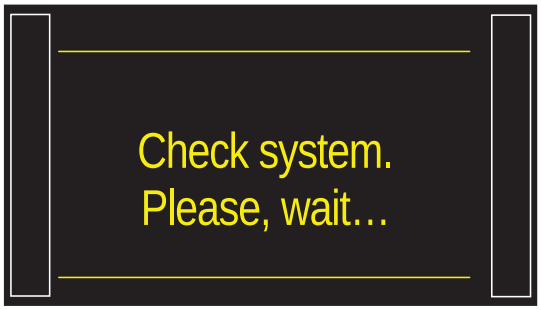
ERROR MESSAGES

The **ATEQ** instrument can display error messages if there are operational problems.

1. COMMUNICATION ERRORS

At starting of the device, the normal message appears:

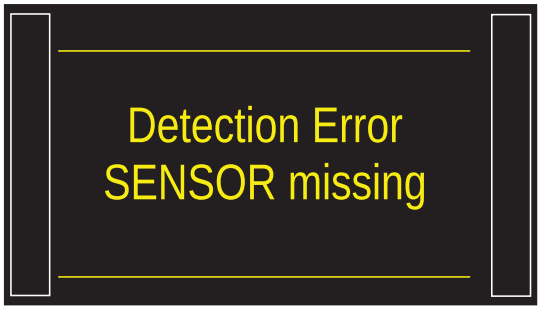
Check system.
Please, wait...



If a detection error of one of the component occurs, the following message appears:

Detection Error
XXXX missing.

Detection error of the sensor board.



Detection error of the Inputs / outputs (I/O) sensor board.

Detection error of the valve codes board.

Turn off and turn on again the device, check if the measurement head is turning on too (pneumatics valves sounds).

If the issue persists, please contact **ATEQ**.

If the communication with the sensor board is lost after starting the device, the device will freeze on the run program number and won't carry on any test cycle.

An error with the sensor board is instantly detected and it needs 30 to 60 seconds to detect an error with the relay board and valve codes board.

2. MEASUREMENTS ERRORS

MESSAGE DISPLAYED	PROBLEM
>> F.S. REF.	Reference error. Leak in excess of the full scale. **Action**: check the reference circuit, part or fixture. Could also be an increase of pressure inside the test part.
>> F.S. TEST	Test error. Leak in excess of the full scale. **Action**: check the test circuit, part or fixture. Could also be an increase of pressure inside the reference part.
> F. SCALE	Pressure in excess of the full scale. **Action**: decrease the target pressure inside the program or the mechanical regulator (if equipped).
SENSOR ERROR	Differential transducer error. **Action**: contact ATEQ service department for repair (probably water or oil in the instrument's test circuit).
PRESSURE TOO HIGH	Pressure in excess of the maximum threshold. **Action**: check regulator settings, pressure limits, check whether the right regulator has been selected if there are two.
PRESSURE TOO LOW	Pressure below the min. threshold. **Action**: check supply pressure and regulator settings, the pressure limits, and whether the right regulator has been selected if there are two.
ATR ERROR	ATR error. **Action**: run another ATR learning cycle or check the ATR parameters.
CAL ERROR	Customer Unit Learning error. **Action**: carry out another learning cycle.
UNIT DRIFT FAIL	Custom unit drift following a custom unit check request. **Action**: check the programmed percentage of drift, the master leak, the test pressure...
VALVE ERROR	Commutation fault in the equalisation valve. **Action**: check supply pressure; contact ATEQ service department for repair.

MESSAGE DISPLAYED	PROBLEM
REGULATOR ERROR	**1)** The electronic regulator is not able to initialise correctly. **2)** The input pressure on the regulator must be at least 10 % of regulator full scale + 100kPa (+ 1 bar). **Action**: check supply network pressure or pressure at the regulator input. Contact ATEQ if the problem persists.
PR: XXX ERROR	PROG error: an empty program has been selected through the relay board (I/O board). **Action**: enter program parameters or select another program.
PPPP	Too many digits to display with the selected unit of pressure. **Action**: change unit or modify the minimum and maximum pressure limits if these and the test pressure can be used with this unit.
LEARNING ERROR	Sealed component learning fault. **Action**: carry out a sealed component learning cycle.
VOLUME <	Sealed component fault. Insufficient pressure drop, so volume abnormally small. **Action**: check the pneumatic test circuit (e.g. kinked tubing, blocked or other cause).
VOLUME >	Sealed component large leak fault. **Action**: Ensure that there is no leak in the pneumatic test circuit between the ATEQ instrument and the test part (e.g. cut tubing, torn or other cause) and also check that the chamber is airtight.
AUTO-TEST ERROR	Auto test error. The valve auto test cycle result is bad. **Action**: check that caps have been placed on the test and reference outputs, if the problem persists, the valve is leaking, it should be serviced or replaced.