



★Reliable technology ensures maximum customer satisfaction.★

C-03003

Sensor calibration manual

After software upgrade to “2313”, please use the following instructions for sensor calibration, instead of page 4-11, Service manual (TR02-14) for LXE10E-A14, LXE10E-A15

< Features of new sensor calibration >

- 1) **Each sensor can be measured and calibrated individually**
- 2) **Controller displays off set figure before calibration**
- 3) **When a sensor is calibrated, the calibration / off set figure is memorized in the event data.**

IMPORTANT!

When using external thermometer(s) by means of insertion into the supply and/or return air sampling pockets, it is recommended to prepare the return air sampling pocket for correct temperature measurement:

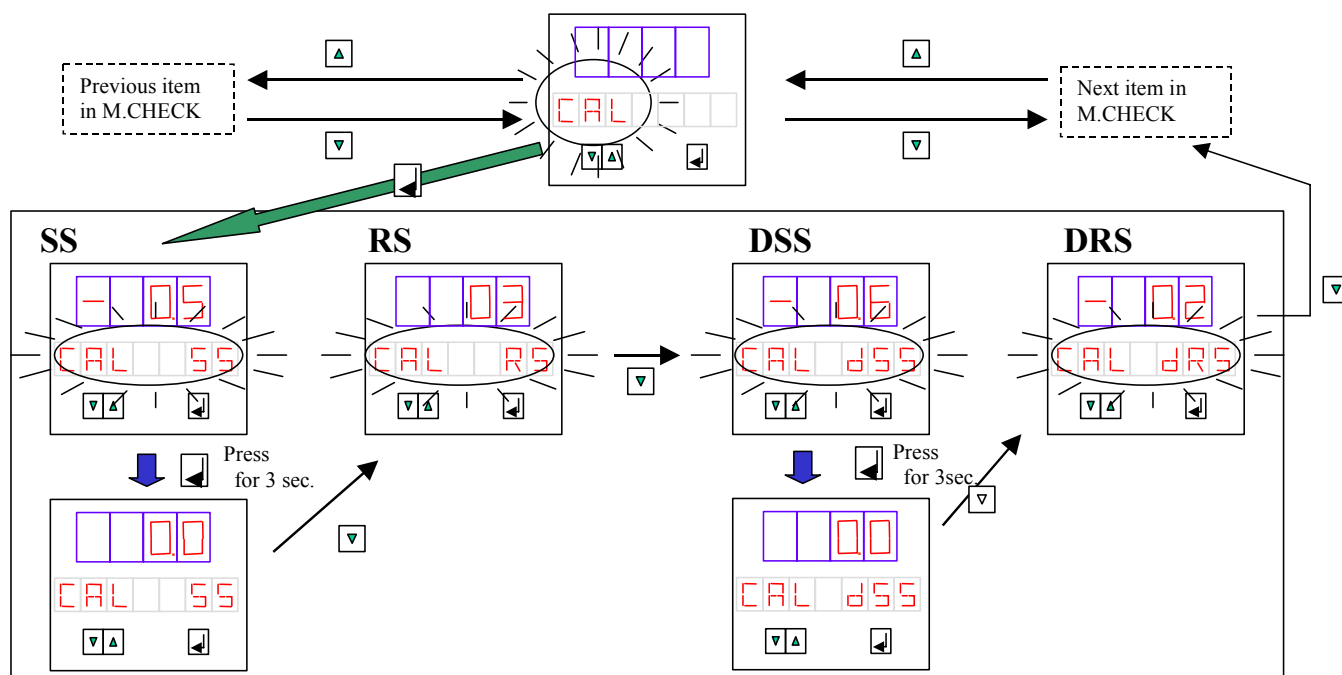
RETURN air sampling pocket: ensure return air is not escaping the pocket via the external thermometer

It is not necessary to seal / tape off the supply air sampling pockets

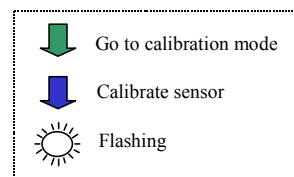
IMPORTANT!

When sensor(s) need to be calibrated, the sensor(s) have to be inserted into an ICE BATH, with a temperature of 0.0 deg C.

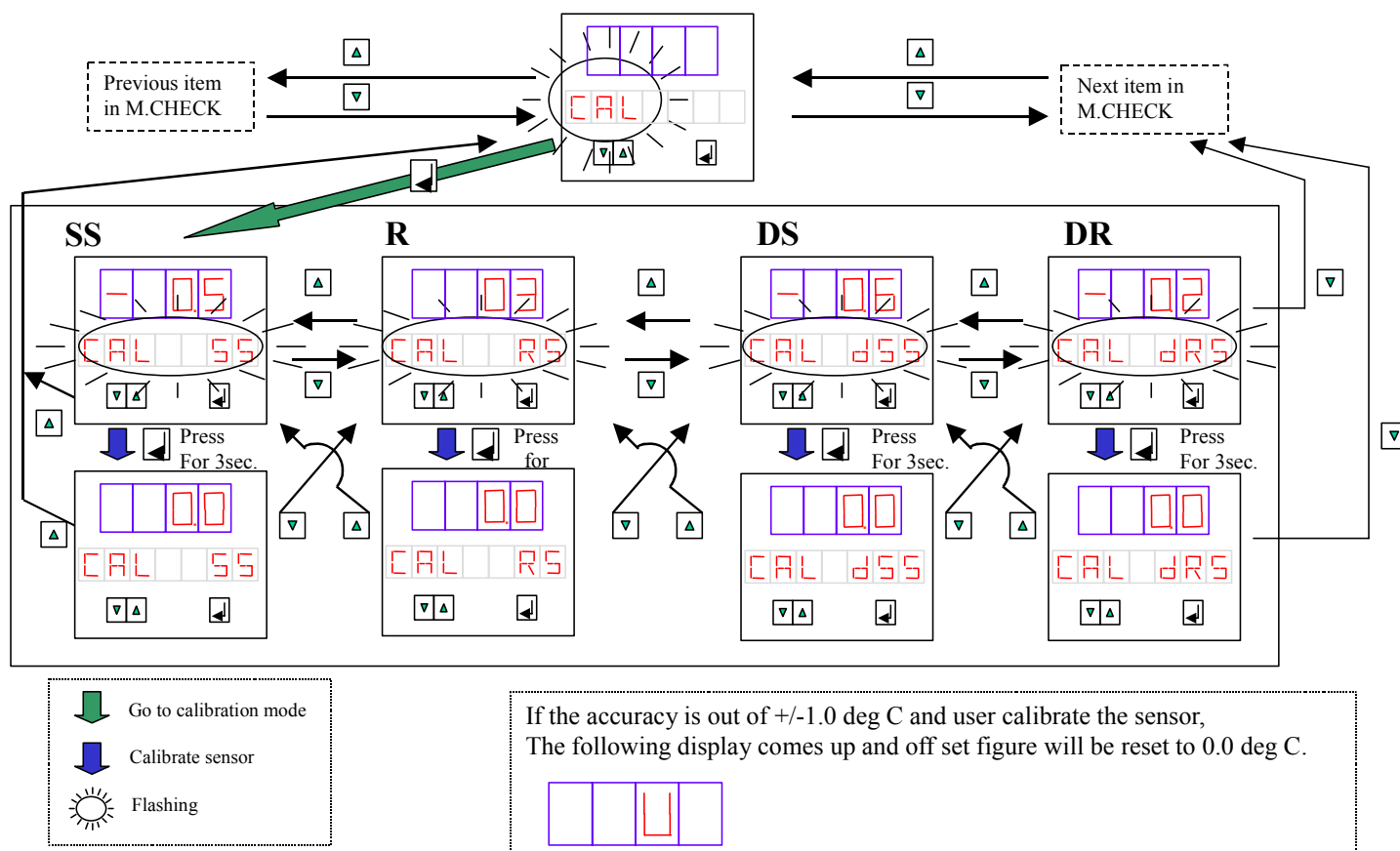
Panel display how to calibrate single sensors, flow explanation for 2 Sensor calibration (SS and DSS)



- 1) Press  key, when CAL is flashing on LCD in M.CHECK mode.
- 2) SS reading is indicated on LED and Press  key for 3 seconds or more to start calibration.
- 3) Press  key to RS.
- 4) RS reading is indicated on LED and Press  key to SKIP RS calibration.
- 5) Press  key to DSS.
- 6) DSS reading is indicated on LED and Press  key for 3 seconds or more to start calibration.
- 7) Press  key to DRS.
- 8) DRS reading is indicated on LED and Press  key to SKIP DRS calibration. Then display goes to next item of M.CHECK.



General Panel display flow for Sensor calibration



Data log : When the calibration made, TIME, SENSOR NAME, and ITS OFF SET FIGURE will be logged.
In case that the accuracy is out of range (More than +/- 1.0 deg C), “ ** ” shall be logged.

If the sensor is replaced with a new one,

1. Please reset the off set figure (=0.0 deg C) by calibration while the sensor is out of ice bath (->Out of range).
2. Then, new sensor needs to be calibrated by use of ice bath.