# i-CON NANO

Error Messages

## Error Messages in the Soldering Station i-CON NANO

The i-CON NANO carries out an automatic error diagnosis. The result of a diagnosis is displayed as an error code. The error codes are listed in the following table. Error messages have to be confirmed with a button push. After the error has been eliminated and the error message has been confirmed, the connected soldering tool will be heated again.

| Code | Meaning | Cause | Remedy |
|---|---|---|---|
| 1 | microSD card error | No configuration file stored, or card obliquely inserted | Store configuration file, insert card consistently straight ahead |
| 2 | Calibration erroneous | Station no longer calibrated | Have factory calibration carried out |
| 3xx | - | Messages for function testing during manufacturing | - |
| 4 | Erroneous measurement of the environment temperature | Measurement reading of KTY not OK | Have soldering tool and soldering station checked |
| 501 | i-CON NANO system error | Control electronics system error, or control electronics not properly connected | Have control electronics replaced or check connecting cables |
| 502 | i-CON NANO system error | Voltage not measured correctly | Have control electronics replaced |
| 6 | i-TOOL NANO not recognized | The soldering station is unable to recognize the connected i-TOOL NANO, or the i-TOOL NANO was plugged in upside down | Have the i-TOOL NANO connecting cables inspected |
| 7 | Heating element or thermocouple not recognized | Heating element is not installed correctly, thermocouple error | Check or replace heating element |
| 8 | Heating element | Heating element defect | Check or replace heating element |
| 9 | Data lost | Parameter/Configuration data destroyed | Reset settings by confirmation of the error, set changes again |
| 98 | Mains frequency error | Mains frequency outside of frequency range (± 10%) | - |

**Table 1. Error Messages**