OS-FS Thermometer Operating Instructions

The OS-FS thermometer is a non-contact infrared thermometer. Simply aim the thermometer at the target and press the measurement button to display the surface temperature. The distance to target ratio of 1:1 therefore the thermometer should be positioned as close to the target as possible.

**MIN or MAX Mode**
To change the OS-FS from T to T or from T to T, first turn the instrument on by pressing the measurement button, then press the mode button four times, the mode icon will flash, then press the measurement key to change to scale, then press the measurement button to confirm the mode.

**MINIMUM OR MAXIMUM MODE**
To utilize the OS-FS's minimum or maximum mode, first turn the instrument on by pressing the measurement button, then press the mode button once for minimum or twice for maximum function. The minimum or maximum mode will display the minimum or maximum temperature. The OS-FS will display the minimum or maximum reading only.

**LOCK MODE**
The lock mode is particularly useful for continuous monitoring of temperature. To utilize the OS-FS's lock mode, first turn the instrument on by pressing the measurement button, then press the mode button three times for the lock mode function. The lock icon will flash, then press the measurement button to confirm the lock measurement mode. The OS-FS will continuously display the temperature for up to 60 minutes or until the measurement button is pressed.

**EMISSIVITY**
The OS-FS infrared thermometer is supplied with a default emissivity of 0.95. The emissivity of the OS-FS can be changed from 0.1 (1E) to 1 (100E). Changes should only be carried out by experienced personnel. To change the OS-FS's emissivity firstly turn the instrument on by pressing the measurement button, then press the mode button five times for emissivity function. The 95E Will flash on the LCD screen, then press the measurement button to confirm the mode. OR the mode button up to four times, the mode icon will flash, then press the measurement button to confirm the emissivity function. The emissivity of specific materials, please contact the nearest retailer. Note: non-contact infrared thermometers are not recommended for use in measuring the temperatures of dusty or polished metals.

**BATTERIES**
The OS-FS incorporates visual battery indication as follows:

- **“Battery OK”** measurements are possible
- **“Battery Low”** battery needs to be replaced, measurements are possible
- **“Battery Exhaused”** measurements are not possible

For all other error messages it is necessary to reset the OS-FS. To reset the OS-FS, turn the instrument off and remove the battery and wait for a minimum of one minute, reinsert the battery and turn on. If the error message remains please contact the Service Department for further assistance.

- If the battery is exposed to rapid changes in the ambient temperature, it is advisable to change the battery when the ambient temperature of the OS-FS exceeds +40°C to -40°C. For both cases you should allow plenty of time (minimum 30 minutes) for the OS-FS to stabilize to the working/hom temperature (0 to +40°C, 32 to 104°F).

**Electrical**
- If displayed when the OS-FS is exposed to rapid changes in the ambient temperature, 0°C to 50°C (32°F to 122°F) and lower than -22°C (0°F) in both cases you should allow plenty of time (minimum 30 minutes) for the OS-FS to stabilize to the working/hom temperature (0 to 40°C, 32 to 104°F).

**For immediate technical or application assistance:**
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