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RAYTEMP® HSE IR THERMOMETER

RayTemp® HSE

PROMAT
www.promat.hk

ISO 9001-2008 SGS

UKAS MANAGEMENT SYSTEMS 005

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THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2018

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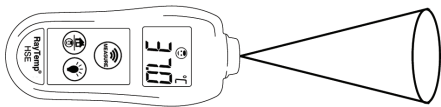
Operating Instructions

545-720/19.01.21

INSTRUMENT OPERATION - Simply aim the RayTemp HSE IR at the target and press the MEASURE button to measure the surface temperature or forehead temperature. When the button is released the reading is automatically held for 25 seconds, after which the thermometer will shut down.
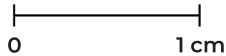
MODE - Press the HOUSE/FACE button to alternate between surface mode and forehead mode. Each icon will be displayed on the LCD. Please ensure the instrument is set to the correct mode before taking any measurements.

MEASUREMENT ZONE/TARGET DISTANCE - The measurement zone is proportional to the distance the RayTemp HSE IR is away from the target. This instrument is equipped with a 1:1 lens. If the target is 1 cm away, the measurement zone will be 1 cm across.

(D:S=1:1)

0   1 cm

EMISSIVITY - The RayTemp HSE IR is supplied with a fixed default emissivity of 0.95. For information relating to the emissivity of specific materials, please visit our website etiltd.com/emissivity. **Please note:** Non-contact infrared thermometers are not recommended for use in measuring the temperature of shiny or polished metals.

°C/°F - To change the thermometer between °C and °F, first turn the instrument on by pressing the MEASURE button, then press and hold the HOUSE/FACE button for four seconds to alternate between °C and °F. '°C' or '°F' will be displayed in the top right corner of the LCD when in normal operation.

RESOLUTION - Fixed to 0.1 °C/F

BACKLIGHT - Press the backlight button to turn the backlight on/off. When the unit is in surface mode the backlight is green. When the unit is in forehead mode the Smart backlight feature is active.

SMART BACKLIGHT - In forehead mode, the backlight will change between red, amber and green depending on the measured temperature.
Green   = 32.0 to 37.4 °C
Amber / Orange   = 37.5 to 37.9 °C
Red   = 38.0 to 42.9 °C

LCD ERROR MESSAGES - 'Hi' or 'Lo' will be displayed when the temperature being measured is outside of the measurement range.

BATTERY REPLACEMENT - When the low battery icon '�' is displayed, the batteries should be replaced immediately with 3 x AAA batteries. **Please note:** It is important to turn the instrument off before replacing the batteries otherwise the thermometer may malfunction. If a malfunction occurs, restart the device. Keep the batteries away from children.

STORAGE & CLEANING - The sensor lens is the most delicate part of the thermometer and should be kept clean at all times. Care should be taken when cleaning the lens, using only a damp soft cloth or damp cotton swab. Allow the lens to fully dry before using it. The thermometer should be stored between -20 to 60 °C.

EMC/RFI - Readings may be affected if the unit is operated within radio frequency electromagnetic field strength of above 10 volts per metre, however the performance of the instrument will not be permanently affected.