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NEW Heat-Flux Infrared Radiometer

- Calibrates the Infrared emission of Plantar Test
- Digital display
- Takes only seconds to use

The Heat-Flux Infrared Radiometer has been designed to calibrate I.R. sources, in particular the classic Plantar Test, to make sure they deliver the same power flux and hence a nociceptive stimulus of the same intensity.

This Heat-Flux Infrared Radiometer is a battery operated, self sufficient instrument complete with infrared probe, digital meter and adaptors for the Plantar Test. The Infrared Radiometer enables the experimenter to:

i) Check (and adjust if necessary) the infrared emission. In fact, the infrared output of the Plantar Test may in the course of one to two years undergo to 2-3% reduction, due to dust gathered on the optics, blackening of the infrared bulb, accidental knocks, ageing of components due to thermal cycles, etc. Moreover, in case the bulb is replaced or the electronics serviced, output alteration of more significant magnitude, say, 8-10%, may take place.

ii) Make sure that two or more Plantar-Test units deliver thermal nociceptive stimuli of exactly the same intensity. Balance them, if necessary.

iii) Know the infrared energy (1 mW for the duration of 1sec corresponds to 1 mJ) in absolute terms, a useful datum to compare with any equal or different method/instrument described in the literature.

The measuring only requires a few seconds. The I.R. probe is positioned on the Plantar Test after the suitable adaptor is fitted on the threaded head of its heat-sink. The reading on the digital display gives the I.R. power output in mW per square centimeter. The calibration, if necessary, of the I.R. radiation source, is carried out by adjusting the supply current of the I.R. bulb, see the instruction manuals of the Plantar Test.

The Heat-Flux Infrared Radiometer Complete Package includes:

Digital Heat-Flux Meter (complete with cable/connector & 9V battery) and I.R. Probe neatly lodged in a sturdy plastic case with punched foam lining.

Specifications

Dimensions, H x W x D	11 x 37 x 32 cm (4.3 x 14.6 x 12.6 in)
Weight	2.00 kg (4.4 lbs)
Shipping Weight	3.20 kg (7.1 lbs)

Catalog No.	$	Model	Product
BS4 72-6703		37300	Heat-Flux Infrared Radiometer, Standard Package
Accessories			
BS4 72-6728		37300-322	Adaptor for Plantar Test
BS4 72-6729		37300-320	Probe Front Cover