

DermaTemp

DermaTemp Infrared Thermographic Scanner

The DermaTemp is a high precision hand-held infrared thermographic scanner designed to detect the subtle skin temperature variations caused by underlying perfusion variations. These instruments feature a patented automatic emissivity compensation system for absolute accuracy regardless of skin type or colour.

The DermaTemp is especially recommended for use in plastic and vascular surgery, pain management, rheumatology, neurology, anaesthesiology, oncology, and of particular interest in wound management, especially as used in diabetic neuropathy.

Contact vs. Non-Contact Measurements:

In using any infrared temperature device, closer is always better, as the field of view increases proportionately to the distance from the surface. Accordingly, for maximum accuracy the probe must contact the surface at the point of interest. It does not need to be tightly pressed to the surface; a gentle touch is all that is required.

When contact with the surface is not an option, the probe can be positioned within 1.3cm from the surface of interest. If using a non-contact protocol, the relative temperature indication of the instrument will be accurate.

"Because infrared dermal thermometry is simple, non-invasive, and relatively inexpensive, this technology may offer a mechanism to evaluate the effectiveness of 'off-loading' the foot with therapeutic footwear and insoles as well as to monitor wound inflammation and healing."

Armstrong et al. Monitoring neuropathic ulcer healing with infrared dermal thermometry. J Foot Ankle Surg 1996 Jul-Aug; 35(4):335-8; discussion 372-3.

"The results indicate that both laser Doppler flowmetry and skin surface temperature measurement are highly accurate methods of monitoring early digital venous congestion that are noninvasive and easy to use. Skin surface temperature measurement has further advantages in that thermometers are less expensive and easier to transport than laser Doppler devices."

Levinsohn et al. Comparison of four objective methods of monitoring digital venous congestion. J Hand Surg [Am] 1991 Nov;16(6):1056-62

Features:

- Full range resolution to 0.7°F/C
- Scan, Max and/or Min modes of operation (model specific)
- Fahrenheit/Celsius conversion
- 10 second Display Lock
- Audible beeper to signal functional or conditional changes
- Hermetically sealed sensing system to withstand cleaning with hospital grade disinfectant - including bleach and alcohol

DERMATEM

DT1001-RS InfraRed Thermographic Scanner with Stainless Steel Remote Sensor attached by coiled cable

DERMATEMLN

DT1001-LN InfraRed Thermographic Scanner Standard model with Sensor built-in to main body of device

Log-in to www.briggatemedical.com for pricing



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