Medical Products

DermaTemp Infrared Surface Skin Scanners

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 color. This series consists of four models, each optimized to the specific application by probe design. In those applications where cross-contamination is an issue, the use of disposable wraps or sheaths allows even moist or wet tissue to be measured with precision accuracy. The DermaTemp is especially recommended for use in plastic and vascular surgery, pain management, rheumatology, neurology, anesthesiology, oncology, and of particular interest in wound management, especially as used in diabetic neuropathy.

DT-1001 Standard Unit, dry skin measurement (order #104900). DT-1001LN Long Probe Model (order #104910). Disposable sheaths for moist skin measurement, cross-contamination protection (order #129460). DT-1001LT Angled Probe Model (order #104920). Takes wraps for moist tissue and cross-contamination protection (order #128800). DT-1001RS Remote Sensor Model, dry skin measurement (order #104950). "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

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