



## Products Rated Highly by Evaluators in CR Clinical Trials

### ProSense Infrared Thermometer



*PacDent*

**\$99.95**

*Reading taken  
in center of forehead*

### FIRST LOOK: Non-Contact Infrared Thermometers

Elevated temperature is a frequent symptom of SARS-CoV-2 infection. Reading the forehead temperature with a non-contact infrared (IR) thermometer is a simple and quick method to screen individuals without physically touching them. Patients with elevated temperature should be rescheduled. Staff or others with a fever should self-isolate. All should be encouraged to seek medical attention to confirm condition. Temperature measurement is just one diagnostic method, and elevated temperature alone does not guarantee coronavirus infection. In addition, some carriers have been asymptomatic.

Medical thermometers are calibrated to read IR energy radiating from skin. Ensure the thermometer is in “body” mode for accurate readings. Avoid industrial IR thermometers which may be calibrated for reading hard surfaces or air, and typically provide erroneously low readings when reading skin.

CR performed controlled clinical and laboratory tests on two infrared thermometers which are new to the market.

- Temperatures were accurate and agreed well with sublingual readings on clinical subjects.
- Measurement range was 89.6 to 109.4°F (32 to 43°C).
- Both had high temperature warnings (*audible and/or visual*) when readings were above 100.4°F (38°C).
- Both were simple to operate by holding thermometer within 1–2 inches of skin and clicking trigger button to get a nearly instantaneous reading.

**CR CONCLUSIONS:** Infrared thermometers evaluated were accurate and easy to use for quick forehead temperature screenings of both staff and patients. In addition to the temperature readout, both had audible and/or visual alerts if temperature registered above 100.4°F (38°C).

# What is CR?

## WHY CR?

CR was founded in 1976 by clinicians who believed practitioners could confirm efficacy and clinical usefulness of new products and avoid both the experimentation on patients and failures in the closet. With this purpose in mind, CR was organized as a unique volunteer purpose of testing all types of dental products and disseminating results to colleagues throughout the world.

## WHO FUNDS CR?

Research funds come from subscriptions to the Gordon J. Christensen Clinicians Report®. Revenue from CR's "Dentistry Update™" courses support payroll for non-clinical staff. All Clinical Evaluators volunteer their time and expertise. CR is a non-profit, educational research institute. It is not owned in whole or in part by any individual, family, or group of investors. This system, free of outside funding, was designed to keep CR's research objective and candid.

## HOW DOES CR FUNCTION?

Each year, CR tests in excess of 750 different product brands, performing about 20,000 field evaluations. CR tests all types of dental products, including materials, devices, and equipment, plus techniques. Worldwide, products are purchased from distributors, secured from companies, and sent to CR by clinicians, inventors, and patients. There is no charge to companies for product evaluations. Testing combines the efforts of 450 clinicians in 19 countries who volunteer their time and expertise, and 40 on-site scientists, engineers, and support staff. Products are subjected to at least two levels of CR's unique three-tiered evaluation process that consists of:

1. Clinical field trials where new products are incorporated into routine use in a variety of dental practices and compared by clinicians to products and methods they use routinely.
2. Controlled clinical tests where new products are used and compared under rigorously controlled conditions, and patients are paid for their time as study participants.
3. Laboratory tests where physical and chemical properties of new products are compared to standard products.



**Clinical Success is the Final Test**

## Clinicians Report® a Publication of CR Foundation®

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**CRA Foundation® changed its name to CR Foundation® in 2008.**



*This team is testing resin curing lights to determine their ability to cure a variety of resin-based composites.*

*Every month several new projects are completed.*

## THE PROBLEM WITH NEW DENTAL PRODUCTS.

***New dental products have always presented a challenge to clinicians because, with little more than promotional information to guide them, they must judge between those that are new and better, and those that are just new. Because of the industry's keen competition and rush to be first on the market, clinicians and their patients often become test data for new products.***

***Every clinician has, at one time or another, become a victim of this system. All own new products that did not meet expectations, but are stored in hope of some unknown future use, or thrown away at a considerable loss. To help clinicians make educated product purchases, CR tests new dental products and reports the results to the profession.***