Edusoft
bharosemand medical co.

DIGITAL INTRAORAL SENSOR

MODELS: ERAYDENT E-1.0 / 1.5 / 2.0



PRECISION IMAGING. INSTANT CLARITY. CONFIDENT DIAGNOSIS.

In today's fast-paced dental practice, accuracy, speed, and patient comfort are essential. The ERADENT Digital Intraoral Sensor is designed to deliver all three—seamlessly.

Whether you are upgrading from traditional film or transitioning from an older digital system, this advanced sensor empowers you to capture high-resolution images in seconds. With low radiation exposure and advanced image processing, it ensures exceptional clarity for precise and confident diagnosis.

KEY FEATURES:

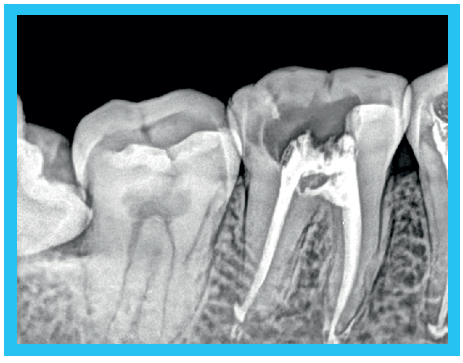
Built for modern dental professionals, the ERADENT Digital Intraoral Sensor combines:

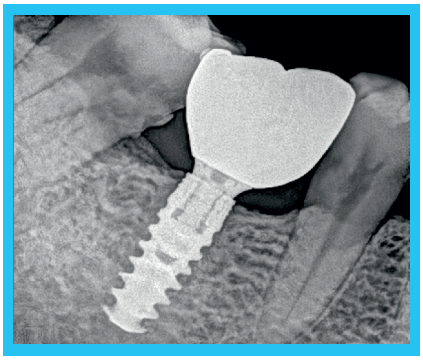


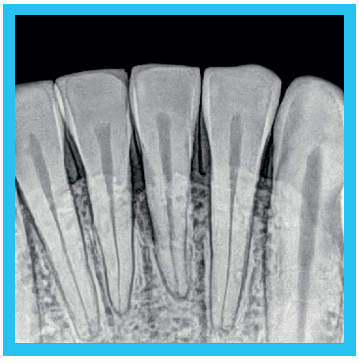
- **SUPERIOR IMAGE SHARPNESS -** Enables accurate detection and diagnosis
- **LOW-DOSE TECHNOLOGY** - Enhances patient safety with minimal radiation exposure
- **ERGONOMIC DESIGN -** Ensures maximum comfort and easy positioning
- **FAST WORKFLOW INTEGRATION** - Improves efficiency with quick and seamless imaging

Easy to use. Reliable in performance. Powerful in results.

The ERADENT Digital Intraoral Sensor is not just an upgrade—it's a smarter step toward advanced dental imaging.







KEY FEATURES:

ERAYDENT SLIM



Designed with a 4.5 mm ultra-slim profile, the sensor ensures easy placement even in challenging intraoral areas, minimizing patient discomfort and improving clinical accuracy.
Powered by advanced CMOS technology with CsI scintillator, it delivers exceptional image sharpness, enhanced contrast, and precise detail visibility for confident diagnosis.



ERAYDENT COMFORT

Engineered with a patient-centric ergonomic design, featuring rounded corners and smooth edges to reduce soft tissue discomfort.
Its lightweight build allows stable positioning, helping reduce retakes and ensuring a comfortable and efficient imaging experience for both patient and clinician.

ERAYDENT FLOW

With plug-and-play USB connectivity, the sensor integrates effortlessly into your practice—no complex setup required.
Featuring Intelligent AED (Automatic Exposure Detection), it automatically captures images upon exposure, eliminating the need for additional hardware and enabling a fast, smooth workflow.





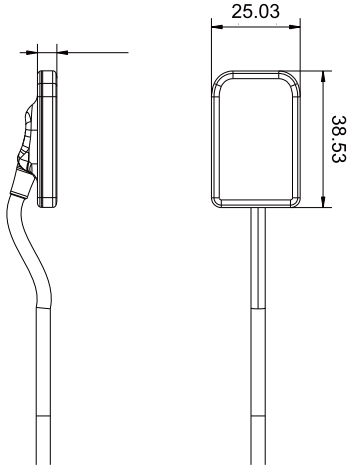
ERAYDENT SHIELD

Designed for durability, the sensor comes with an IP68 waterproof and dustproof rating, ensuring reliable performance in demanding clinical environments.
Its advanced sealing supports safe cleaning and disinfection, maintaining high hygiene standards and long-term reliability.

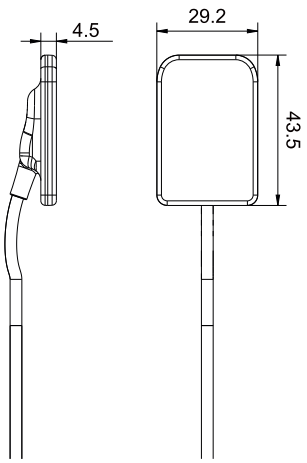
Technical Highlights

MODEL	ERAYDENT E 1.0	ERAYDENT E 1.5	ERAYDENT E 2.0
MECHANICAL DIMENSIONS (MM3)	25.03 × 38.53 × 4.5	29.2 × 43.5 × 4.5	31.62 × 45.0 × 4.5
ACTIVE AREA (MM^2)	20 × 30	24 × 33	24 × 33
PIXEL MATRIX	(1.5 M) 1000 × 1500	(1.89M) 1200×1650	(2.34 M) 1300 × 1800
SENSOR TECHNOLOGY	APS CMOS		
SCINTILLATOR	Directly deposited CsI:Tl		
LENGTH OF CABLE	Standard 3m		
PIXEL PITCH (μ)	20		
SPATIAL RESOLUTION (LP/MM)	25 lp/mm		
GRAY LEVEL	16 bit, 65535 grade		
EXPOSURE MODE	SMART AED		
INGRESS PROTECTION	IP68 for dust & moisure protection		
ADDITIONAL	Support TWAIN protocol		
OPERATION SYSTEM	Windows 7 and above, 32 / 64 bit, 8gb ram & above		

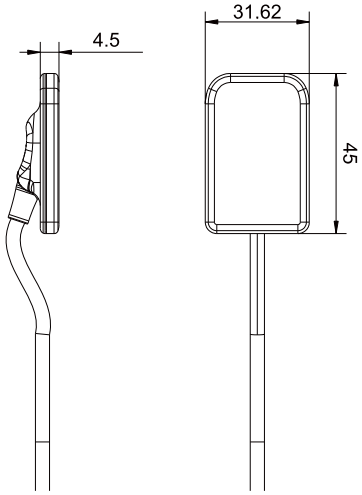
Dimensions



ERAYDENT E 1.0



ERAYDENT E 1.5



ERAYDENT E 2.0

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