

IVI solutions : Master delivered dose, assess and optimize your practices using our technology

The **IVI** technology are based on scintillating optical fiber technology associated to intelligent and autonomous software for medical imaging. It is a real technological breakthrough capable of measuring quickly and accurately while avoiding numerous calculations and corrections.

USER-FRIENDLY SOFTWARE



Visualization of irradiation



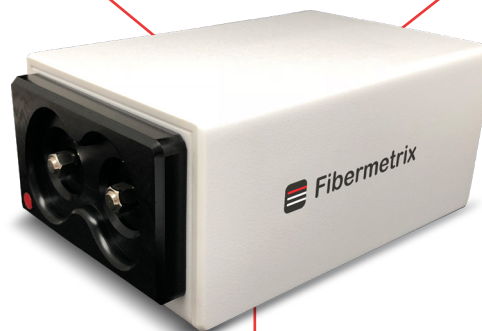
Correct and analyze measurements



Smart features

SCINTILLATING FIBER PATENTED TECHNOLOGY

COMPACT AND AUTONOMOUS DOSIMETER



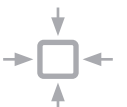
KV/MV Auto energy correction

Induction charging system



Angular independency and geometric flexibility

Compact and light sensor



Real-time dosimetry

Connected and Windows compatibility



High dose rate linearity

Robust material and design



Discover our technology's advantages and its modular solutions according to your needs.

A specific need? A solution!

IVI nomad™

NOMAD SOLUTION FOR ALL TYPES OF IMAGING MEASUREMENTS

Do you want to carry out equipments or patients punctual dose measurements ?

IVI nomad™ is made for you!

UNLIMITED MEASUREMENTS



- Instantaneous measurements
- Up to 2 simultaneous measurements (entrance and transmitted dose)
- Close to the studied area thanks to the flexible design of the scintillating fiber
- Multi-manufacturers

ACCURATE INFORMATION

- Dose profile
- Automatic correction of radiodiagnostic measurements
- Raw measurement data

IVI cbct™

DEDICATED SOLUTION CBCT RADIO THERAPY

Looking for a quick and easy way to check your dosimetry?

IVI cbct™ is the perfect solution!

UNLIMITED MEASUREMENTS

- A 1-meter probe specially designed for wide-collimation CTDI measurements
- No interference with processing beam
- High temporal resolution for more precise dose profiles

ANTICIPATION OF REGULATIONS

- CBCT Dosimetric quality control in radiotherapy
- Dose optimization and practices*

**ongoing development*



SPECIFICATIONS OF THE SCINTILLATING FIBER

NOMINAL LENGTH :

variable from 0.5cm, 1cm or 5cm and 90cm for IVIcbct

DIAMETER :

Ø 0.5 mm or 1 mm

DOSE* :

10µGy - 1,8 kGy
Resolution 0,02 nGy

DOSE RATE* :

10µGy/s – 250 mGy/s
Résolution 0,02 nGy/ms

TIME RESOLUTION* :

10µGy/s – 250 mGy/s

REFERENCE BEAM :

RQT9 – 120 kV, HVL 8,4 mm Al

ENERGY DEPENDENCE :

< 5% with automatic compensation
at 70 – 150 kV (beam quality RQT, RQR, RQA et N)

*Typical values valid for a 7.8mm³ probe (Ø 1mm, length 1cm)