



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



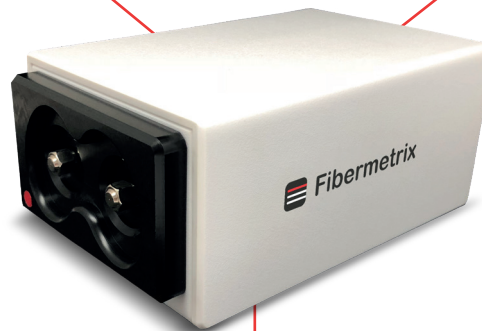
Correct and analyze measurements



Smart features

SCINTILLATING FIBER PATENTED TECHNOLOGY

COMPACT AND AUTONOMOUS DOSIMETER



KV/MV

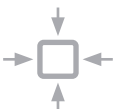
Energy independency

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

SPECIFICATIONS OF THE SCINTILLATING FIBER

Nominal length	Variable from 0.5 cm to 100 cm
Diameter	∅ 0.25 mm, 0.5 mm or 1 mm
Dose	1μGy - 1.8 kGy - Resolution 0.02 nGy
Product dose length	0.2 mGy.cm - 360 kGy.cm
Dose rate	1μGy/s - 250 mGy/s Resolution 0.02 nGy/ms
Time resolution	1 ms
Energy dependence	<1% with automatic compensation at 70 - 150 kV (beam quality RQT, RQR, RQA and N)
Reference beam	RQT9 - 120 kV, HVL 8.4 mm Al

IVI cbct™

DEDICATED SOLUTION CBCT RADIO THERAPY

Do you want to easily carry out CBCT quality control?

IVI cbct™ is the perfect solution!

UNLIMITED MEASUREMENTS

- Instantaneous measurements
- Without any interference with the treatment beam
- Possible combination of several scintillating fibers on different installations with one dosimeter
- Multi-manufacturers

ANTICIPATION OF REGULATIONS

- CBCT Dosimetric quality control in radiotherapy
- Patient dose delivered by CBCT in radiotherapy*

**ongoing development*



SPECIFICATIONS OF THE SCINTILLATING FIBER

Nominal length	90 cm
Diameter	∅ 0.5 mm or 1 mm
Dose	1μGy - 1.8 kGy - Resolution 0.02 nGy
Product dose length	0.2 mGy.cm - 360 kGy.cm
Dose rate	1μGy/s - 250 mGy/s Resolution 0.02 nGy/ms
Time resolution	1 ms
Energy dependence	Ad hoc calibration according to the protocols used
Reference beam	RQT9 - 120 kV, HVL 8.4 mm Al