

# IVI solutions : Declination of the **scintillating fiber** technology

The **IVI** technology based on scintillating fiber is the only one capable of measuring quickly and accurately while avoiding numerous calculations and corrections. Associated to powerful and intelligent software solutions, it is a real technological breakthrough whether for clinical studies, dosimetric evaluation campaigns or even for daily monitoring of doses delivered in clinical routine.

Discover the many advantages of our technology and its modular solutions according to your needs.

## USER-FRIENDLY SOFTWARE



Visualization of irradiation



Corrected and analyzed measurements



Smart features

## SCINTILLATING FIBER PATENTED TECHNOLOGY

## COMPACT AND AUTONOMOUS DOSIMETER

KV/MV

Energy independency



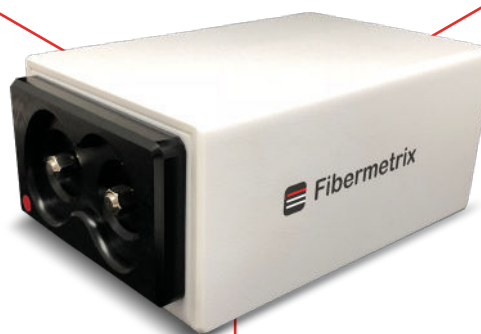
Angular independency  
and geometric flexibility



Real-time dosimetry



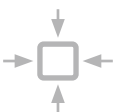
High dose rate linearity



Induction charging system



Compact and light display



Connected and Windows compatibility



Robust material and design



Because every establishment is different, our **IVI** solutions is modular thanks to the different fiber options and adapts its offer to each situation.

From  
**150** \$ ex VAT  
/ month

Any question? Contact us!  
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# A specific need? A solution!

## NOMAD SOLUTION FOR ALL TYPES OF IMAGING MEASUREMENTS

You wish to carry out a dosimetric study?  
Or on a new installation?  
IVInomad™ 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-manufacturer

### ACCURATE INFORMATION

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

## SPECIFICATIONS OF THE SCINTILLATING FIBER

<b>Nominal length</b>	Variable from 0.5 cm to 100 cm
<b>Diameter</b>	Ø 0.25 mm, 0.5 mm or 1 mm
<b>Dose</b>	1µGy - 1,8 kGy - Resolution 0,02 nGy
<b>Product dose length</b>	0,2 mGy.cm - 360 kGy.cm
<b>Dose rate</b>	1µGy/s - 250 mGy/s Resolution 0,02 nGy/ms
<b>Time resolution</b>	1 ms
<b>Energy dependence</b>	<1% with automatic compensation at 70 - 150 kV (beam quality RQT, RQR, RQA and N)
<b>Reference beam</b>	RQT9 - 120 kV, HVL 8,4 mm Al

## DEDICATED SOLUTION CBCT RADIOTHERAPY

You wish to take into account the CBCT dose delivered during radiation therapy treatments?  
IVIcbct™ 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-manufacturer

### ANTICIPATION OF REGULATIONS

- Doses delivered by CBCT in radiotherapy
- CBCT Dosimetric quality control in radiotherapy (coming soon in 2023)



## SPECIFICATIONS OF THE SCINTILLATING FIBER

<b>Nominal length</b>	90 cm
<b>Diameter</b>	Ø 0,5 mm ou 1 mm
<b>Dose</b>	1µGy – 1,8 kGy – Resolution 0,02 nGy
<b>Product dose length</b>	0,2 mGy.cm – 360 kGy.cm
<b>Dose rate</b>	1µGy/s – 250 mGy/s Resolution 0,02 nGy/ms
<b>Time resolution</b>	1 ms
<b>Energy dependence</b>	Ad hoc calibration according to the protocols used
<b>Reference beam</b>	RQT9 - 120 kV, HVL 8,4 mm Al