

# SMART SOLUTION FOR RADIATION RISK MANAGEMENT DEDICATED TO CT SCAN

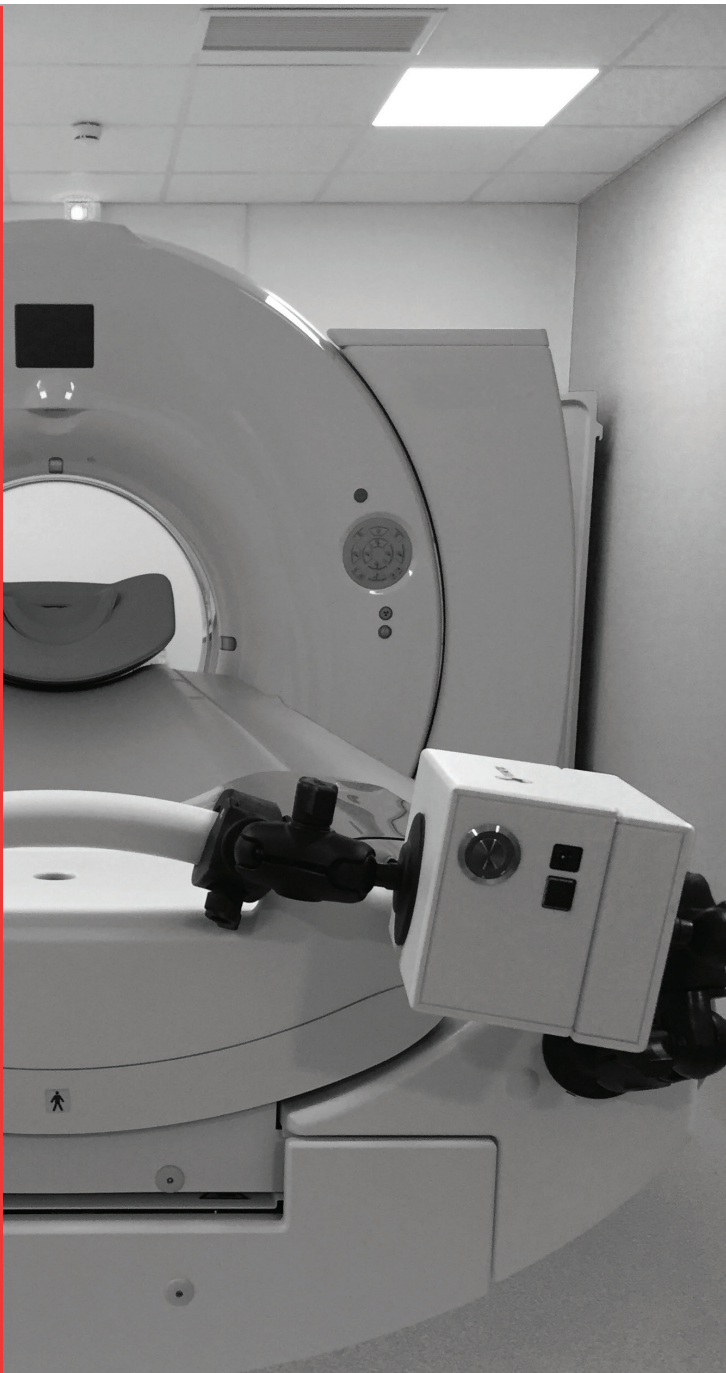
**IVIs**scan

powered by  Fibermetrix

From the perspective of helping medical staff, Fibermetrix combines all its expertises to present IVIsScan, the first solution to safeguard your CT scan patients at all time. With a perfect balance between ultra-sensitive, connected cutting-edge technology and a smart interface for the remote monitoring of doses and of the CT scan, IVIsScan is fully integrated in the clinical daily routine and does not need any additional action by the staff.

Discover some features of IVIsScan to improve your radiation risk management:

SERVICES OFFERING



## MORE REACTIVITY

- Automatic measurement of doses as close as possible to the patient's skin
- Real-time dose graphs
- Real-time dosimetric gauges
- Threshold dose indicators
- Dose threshold notification and reporting

## MORE ACCURACY

- Dose report with indexes (CTDIvol/DLP) measured and displayed by the scanner
- Gap between measured and displayed dose indexes CTDIvol as a function of the Z axis and 2D DoseMap for each exam
- Contribution of each acquisition to the total exam dose

## MORE INFORMATION

- History of CT and IVIsScan dose indexes for each patient
- Statistical indicators by exam/patient type
- Data Export
- Dashboard with smart data
- Automatic Diagnostic Reference Levels (DRL)

## MORE SECURITY

- Faster and easier measurement
- Automatic Quality Control
- Monitoring of radiation tube stability over time



The IVIsScan solution tracks incidents and any drift in practices or equipment. A simple way to meet medical imaging quality assurance obligations.

A question? Contact us!



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# DOSIMETER SPECIFICATIONS

## Scintillating optical fiber technology

Reference beam	RQT9 - 120 kV, HVL 8.4 mm Al.
Measurement range	
Dose	1 $\mu$ Gy – 1,8 kGy. Uncertainty < 1% Resolution 0,02 nGy
Dose length product	0,2 mGy.cm – 360 kGy.cm. Incertitude < 1%
Dose rate	1 $\mu$ Gy/s – 250 mGy/s Incertitude < 1% - Résolution 0,02nGy/ms
Time resolution	1 ms
Energy dependence	< 1% with automatic compensation @ 70 - 150 kV (beam quality RQT, RQR, RQA and N)
Base unit	
Dimensions	Photometer 68 x 97 x 158 mm (2.68 x 3.82 x 6.22 in.) Station 30 x 97 x 148 mm (1.18 x 3.82 x 5.83 in.)
Weight	Photometer approx. 820 g (including battery) Station approx. 290 g
Cable	RJ-45 Ethernet, max. 25 metres (984 in.)
Power supply	Photometer rechargeable Li-ion battery (IEC 62133:2012 conformity) Station PoE min. 36 V, typ. 48 V, max. 57 V (IEEE 802.3 at and 802.3 af conformity)
Battery	Charge time : approx. 7 hours
Autonomy	approx. 40 hours (intensive use)
Probe	
Sheath material	Hytrel®
Matrice scintillateur	Polystyrene (1.04 g/cm <sup>3</sup> )
Weight	33 g
Effective length	200 cm, – 0.4 cm <sup>3</sup> active volume (78.74 in. – 0.025 in <sup>3</sup> active volume)
Nominal length	180 cm (70.87 in.)



The reference conditions are given with reference to standard IEC61674.  
This device carries the CE mark in accordance with European Council directive 2014/35 EU, 2014/30/EU, 2014/53/EU and 2011/65/EU.



## SOFTWARE REQUIREMENTS

### IVIyou® interface

GDPR* compliance	
Accessibility	Intranet
Processor	i3 or +
Virtual Machine	
OS	Windows 7 pro or +, framework .NET 4.5.1 or +
Memory	6 GB
Disk space	500 GB
Network	Connection to scanner and dosimeter Connection to internet
Web browser	Mozilla Firefox, Google Chrome (recommended)
Users	Personalized access (user profiles)



\* European General Data Protection Regulation