

**RTI**From Radiation  
to Information

# Add Value to Your Work

## Cobia Smart – for Quality Assurance of X-ray devices

Cobia Smart is a simple-to-use instrument for checking that the output from an X-ray tube is correct. Place it beneath the X-ray tube, take an X-ray exposure, and rapidly get an accurate reading. The measured values can be read directly from Cobia Smart's large and clear display, even from a distance. No adjustments are required, making it exceptionally easy to use.



# For Everyone

# Smart

**Cobia**  
SMART

## A Simple and Smart Solution for Measuring Reliability

We've made the complex simple. Cobia Smart is a straightforward and simple-to-use instrument for checking that the output from an X-ray tube is correct.

Place it beneath the X-ray tube, make an X-ray exposure, and rapidly get an accurate reading. The measured values can be read directly from Cobia Smart's large and clear display, even from a distance. No adjustments are required, making it exceptionally easy to use.

### Check and Go

Cobia Smart is perfect for anyone wanting to ensure that an X-ray device is functioning as it should. For example, Cobia Smart is ideal for checking fast and often that the kV and/or dose are not changing over time.

### Rotatable Color Display

Cobia Smart has a clear and rotatable color display, so you can read off measurement results fast and easily – even from a distance.

The innovative display even shows the results right way up in measurement situations where the instrument needs to be positioned upside down.



### Only Pay for What You Need

There are three versions of Cobia Smart for measuring a range of different radiography and fluoroscopy parameters. Select the model that suits your needs, and only pay for what you want to measure.

### Straightforward and Trouble-free

When we created the Cobia Smart, our goal was to develop a straightforward instrument that anyone could use. RTI has over 30 years of experience in the manufacture of X-ray detectors, and Cobia Smart is a direct implementation of our high-tech knowledge coupled with what we have learned in the field.

# Slim & Intelligent

# Great

2 year manufacturer's warranty with the option of extending it for up to 10 years.

A straightforward and trouble-free instrument that anyone could use.

No adjustments are needed, which makes it very easy to use.



Large, rotatable and sharp display allowing results to be read clearly and easily from a distance.

Translatable user interface. As well as English, you can choose to run Cobia Smart in several languages such as Swedish, Japanese, French, Chinese and German. This can easily be selected via the Cobia menu.

**History.** The Cobia Dental will save your 100 latest measurements.

## Cobia Smart in Different Languages

As well as English, you can choose to run Cobia Smart in several languages such as Swedish, Japanese, French, Chinese and German. This can easily be selected via the Cobia menu.

## Up to 10 Years Warranty

Cobia Smart is calibrated by an accredited X-ray lab and comes with an automatic 2-year manufacturer's warranty when purchased new, with the option of taking out an extended warranty of up to 10 years. Meaning that you can feel very confident with your Cobia Smart for a long time!

## Cobia Smart

	R/F – kV	R/F – Dose	R/F – kV & Dose
Time	•	•	•
kV	•		•
Dose		•	•
Dose Rate		•	•
HVL			•
Pulses	•	•	•
Pulse Rate			•
Dose/Pulse		•	•
Eff. Time			•

R/F–kV Art No. 9761001-00

R/F–Dose Art. No. 9761002-00

R/F – kV & Dose Art. No. 9761003-00

Find your local distributor at [www.rti.se](http://www.rti.se)

We offer more than just measuring instruments. We'd like to be your partner and help you in your daily work. We want you to trust us and count on us. We promise to do our best to make it easier for you in your everyday working life.

Find your local distributor at [www.rti.se](http://www.rti.se)

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## Specifications Cobia Smart

Weight Approx	290 g	
Size	138 x 76 x 27 mm <sup>3</sup>	
Power source	Int. battery / ext. power supply	
Battery life	10 – 20 hours	
Display	Color, 320x240 pixel	
Min. exp. time	0.1 ms	
Auto-Compensation	1.5 – 45 mm Al Total Filtr. equiv.	
Sensitivity	0.2 mA @ 50 kV, 50 cm (3 mm Al)	
Parameter	Range	Inaccuracy
Tube volt.	38 – 155 kVp	±2 %
Time	0 ms – 2000 s	±1 % or ±0.33 ms
	3 – 9999 pulses	–
Dose	400 nGy–1000 Gy	±5 %
	50 µR – 100 kR	±5 %
Dose rate	10 µGy/s – 100 mGy/s	±5 % or ±200 nGy/s
	1.1 mR/s – 11 R/s	±5 % or ±2 µR/s
	66 mR/min – 700 R/min	±5 % or ±0.1 mR/min
	4 R/h – 42 kR/h	±5 % or ±70 mR/h
HVL	1.2 – 14 mm Al	±10 % or ±0.2 mm
Pulse frequency	1/6 – 180 Hz	±5 % or ±0.2 Hz
Dose/pulse	10 nGy/p - 600 mGy/p	±5 %
	1,1 µR/p - 66 R/p	±5 %
Effective time	0 ms – 2000 s	±1 % or ±0.33 ms

Specifications in this folder may be changed without notice.

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