



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. You simply 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.



Innovative X-ray QA solutions ...of course!

For Everyone

Smart



A Simple and Smart Solution for Measuring Reliability

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

Cobia Smart has a clear and rotatable 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. The display also has a very useful, smart battery indicator that shows how much measuring time remains.

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 best suits your needs, and only pay for the parameters you want to measure.



Straightforward and Trouble-free

When we created the Cobia Smart, our goal was to develop a straightforward and trouble-free instrument that anyone could use. RTI has over 30 years' 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.

Up to 10 Year 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 very long time!

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.

Clever battery status indicator showing charge time remaining. The batteries recharge rapidly, so that Cobia Smart is always ready to go.



Cobia
SMART

Cobia Smart

	R/F – kV	R/F – Dose	R/F – kV & Dose
Time	•	•	•
Pulses	•	•	•
kV	•		•
dose		•	•
dose rate		•	•
HVL			•

R/F–kV Art No. 9761001-00 • R/F–Dose Art. No. 9761002-00 • R/F – kV & Dose Art. No. 9761003-00

Scandinavian Quality

Since 1981

RTI Electronics was founded in 1981 when several curious and enterprising students met at Chalmers University of Technology in Gothenburg, Sweden. They saw their vision grow into the beginning of RTI products – today world leading in X-ray QA and Service instrumentation.

There are many reasons why RTI Electronics has become a market leader. Besides fulfilling the highest user demands, products from RTI Electronics are known for cutting edge innovation. Other reasons include our engagement, our expertise accumulated over more than a quarter of a century, and our commitment to doing it right.

We are convinced that You will be satisfied with Your choice of product, and we would like to continue to grow – together with You.

Find your local distributor at www.rti.se

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Specifications Cobia Smart

Weight Approx	290 g	
Size	138 x 76 x 27 mm ³	
Power source	Internal battery	
Battery life	10 – 20 hours	
Display	320x240 pixel	
Min. exp. time	0.1 ms	
Auto-Compensation	1.5 – 45 mm Al Total Filtr. equiv.	
Sensitivity	0.5 mA @ 50 kV, 50 cm, no added filtration	
Parameter	Range	Inaccuracy
Tube volt.	38 – 155 kVp	±2 %
Time	0 ms – 2000 s	±1 % or ±0.33 ms
Pulses	1 – 9999 pulses	±1 pulse
Pulse rate	1/6 – 180 Hz	±0.1 Hz
Dose	400 nGy–1000 Gy	±5 %
	50 µR – 100 kR	±5 %
Dose rate	0,4 µGy/s – 100 mGy/s	±5 % or ±20 nGy/s
	50 µR/s – 11 R/s	±5 % or ±2 µR/s
HVL	3 mR/min – 700 R/min	±5 % or ±0.1 mR/min
	1.2 – 14 mm Al	±10 % or ±0.2 mm



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