

## Model Cobia Smart Series X-ray Output Accuracy Multimeters

### Features

- Quickly Ascertain X-Ray Output Accuracy
- Large Display Rotates Allowing Easy Reading from Any Angle
- Simple-to-Use Instruments
- No Adjustments Required by User
- Different Versions Available - All Feature Clean, Compact, Versatile Design



### Introduction

The Cobia Smart series multimeter is available in several versions. All units provide a large, easy-to-read, rotatable display for maximum versatility. No on-site calibration adjustments are required for these devices. These Cobia units are simple to use with straightforward controls and instructions, and include both built-in mAs and a battery life indicator. Versions available include:

- **Cobia Smart R/F-kV (PN: 99-9901):** makes quick measurements of kV, pulses, and exposure time
- **Cobia Smart R/F-Dose (PN: 99-9902):** makes quick measurements of dose, dose rate, pulses, dose/pulse, and exposure time
- **Cobia Smart R/F-kV & Dose (PN: 99-9903):** offers simple and quick method to measure all X-ray output parameters (kV, dose, dose rate, pulses, pulse rate, and exposure time)

### Common Specifications

**DISPLAY:** Color, 320x240 pixel

**MINIMUM EXPOSURE TIME:** 0.1 ms

**AUTO COMPENSATIONS:** 1.5 – 45 mm Al equiv.

**SENSITIVITY:** 0.2 mA @ 50 kV, 50 cm (3 mm Al)

**POWER:** Internal battery or external power supply (battery life 10 - 20 hours)

**SIZE:** 13.8 x 7.6 x 2.7 cm ( 5.4 x 3 x 1 in.) (L x W x H)

**WEIGHT:** 290 g (10.2 oz.)

PARAMETER	RANGE	ACCURACY
Tube Voltage	38 – 155 kVp	± 2%
Time	0 ms – 2000 sec 3 – 9999 pulses	± 1% or ± 0.33 ms -----
Pulse Rate	1/6 – 180 Hz	± 5% or ± 0.2 Hz
Dose	50 µR – 100 kR 400 nGy – 1000 Gy	± 5% ± 5%
Dose Rate	1.1 mR/s – 11 R/s 10 µGy/s – 100 mGy/s 66 mR/min – 700 R/min 4 R/h – 42 kR/h	± 5% or ± 2 µR/s ± 5% or ± 200 nGy/s ± 5% or ± 0.1 mR/min ± 5% or ± 70 mR/h
HVL	1.2 – 14 mm Al	± 10% or +/- 0.2 mm

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Note: specifications subject to change without notification. We are not responsible for errors or omissions.

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