

Model Cobia Flex Flexible X-ray QC



Features

- Quickly Ascertain X-Ray Output Accuracy
- Large 320 x 240 Pixel Color Display
- Built-In mAs for Versatility
- Display Rotates for Ease of Positioning

Introduction

The Cobia Flex is a straightforward and simple-to-use instrument for checking that the output from an X-ray tube is correct. The measured values can be read directly from the large, easy-to-read display and can also be stored in the device to be read later.

The internal detector can measure dose, dose rate, kV, HVL, TF, and time. External probes can also be connected to make the Cobia Flex suit your specific needs. A built-in mAs is included, but can be deselected if not required.

The Cobia Flex has no position dependence, just place it under the beam and make sure the detector area is irradiated. There is no need to reset the device between your measurements, so you can stay in the control room until all your measurements are made. The practical log function makes it possible for you to read your measurements when you have the time.

Specifications

Part Number: 99-9905

DISPLAY: Color, 320 x 240 pixel

MINIMUM EXPOSURE TIME: 0.1 ms

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

POWER: external power supply / internal battery (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: approximately 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 -----
Dose	60 nGy–1700 Gy 7 µR/s – 200 kR	± 5% ± 5%
Dose Rate	2.5 µGy/s –175 mGy/s 0.3 mR/s – 20 R/s 17 mR/min – 1200 R/min 1 R/h – 70 kR/h	± 5% or ± 200 nGy/s ± 5% or ± 20 µR/s ± 5% or ± 1 mR/min ± 5% or ± 70 mR/h
HVL	1.2 – 14 mm Al	± 10% or +/- 0.2 mm
Auto-Compensation	1.5 mm Al – 1.4 mm Cu	NA
Total Filtration	1.0 – 55 mm Al	±10 % or ±0.3 mm Al
Pulse frequency	1/6 – 260 Hz	±5 % or ±0.2 Hz
Dose/pulse	10 nGy/p – 1 Gy/p 1.1 µR/p – 120 R/p	±5 % ±5 %
Effective time	0 ms – 1999 s	±1 % or ±0.33 ms

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

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