

GAMMEX

RADIATION ONCOLOGY



Daily Constancy Tool

GAMMEX 444D

The Gammex 444D Daily Constancy Tool (DCT) is the perfect single channel device to measure photon and electron beam constancy every day of the year.

Measuring relative beam output is quick, easy, and reliable with the 444D. The DCT has a single diode detector embedded in a uniform density plastic phantom for measuring radiation output. The device is battery operated and completely portable. It only requires an initial set up and then there is no need for preparation when doing routine radiation output tests on linear accelerators.

This DCT can store up to 10 exposures that show relative dose, relative dose rate, and irradiation time. Multiple exposures can be taken without having to reset the device. An indicator light will blink to let you know that the 444D is ready for the next exposure. By having this auto reset function, you only have to enter the treatment room a second time to retrieve the DCT and acquire the necessary data. With features like these, and automatic pressure correction, you can see why this Gammex product is one of the most time saving devices you'll ever use in the treatment room.

continued

Gammex

WWW.GAMMEX.COM

LASER ALIGNMENT

DIAGNOSTIC RADIOLOGY

ULTRASOUND

MAMMOGRAPHY

RADIATION ONCOLOGY



GAMMEX 444D

RADIATION ONCOLOGY

continued from front...



SPECIFICATIONS

- Dose Rate Range . 1 to 2000 cGy/min
- Beam Energy**
- Photons 1.25 to 25 MV
- Electrons 3 to 25 MeV
- Field Size 10x10 cm
- Temperature
- Dependence 1% of reading per °C
- Long Term
- Stability ±1.5% of reading over 60,000 Rads
(approximately 6 months of use)
- Readings Relative Dose (machine output),
Relative Dose Rate, Time
- Detector Diode
- Power Supply . . . 4 AA alkaline batteries
(20 hours approx. lifetime)
- Physical Dimensions**
- Weight 1.05 kg (2 lbs 5 oz)
- Dimensions
- (H/W/D) 12x32x3 cm (4.7x12.6x1.1 in)
- Miscellaneous**
- RS-232 port
- Stores 10 complete readings
- No pressure corrections needed
- Options**
- Auxiliary tray holder for Varian (444-TRAY-V) or
Siemens (444-TRAY-S) machines
- Solid Water 12x12 cm build-up plates (444-SLABS)
with thickness of 0.2, 0.5, 1.0, 2.0, and 3.0 cm
- Laser alignment cap (444-CAP) to align DCT with
sidewall lasers



0608 © Gammex, Inc. All rights reserved.

GAMMEX INC.
P.O. BOX 620327
MIDDLETON, WI 53562-0327
USA
+1 800 GAMMEX1 (426 6391)
+1 608 828 7000
FAX: +1 608 828 7500
EMAIL: SALES@GAMMEX.COM

GAMMEX-RMI LTD.
BROADWAY BUSINESS CENTRE
32A STONEY STREET
NOTTINGHAM, NG1 1LL
UNITED KINGDOM
+44 (0) 115 924 7188
FAX: +44 (0) 115 924 7189
EMAIL: UKSALES@GAMMEX.COM

GAMMEX-RMI GMBH
FRANKFURTER STRASSE 15
D-35390 GIESSEN
GERMANY
+49 (0) 641 250 9176
FAX: +49 (0) 641 966 2642
EMAIL: DESALES@GAMMEX.COM

For more information contact GAMMEX today at 1 800 GAMMEX 1 (426 6391) or visit WWW.GAMMEX.COM