

# BEAMSCAN<sup>®</sup>

## Detector Overview

Which detector is best for your specific task?



### Semiflex 3D (31021)

Vented cylindrical ionization chamber  
Volume: 0.07 cm<sup>3</sup>  
Field size: (2.5 x 2.5) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup>,  
(3.0 x 3.0) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup> ≥ 18 MV

Gy Q γ e<sup>-</sup>



### Semiflex (31010)

Vented cylindrical ionization chamber  
Volume: 0.125 cm<sup>3</sup>  
Field size: (3 x 3) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup>

Gy Q γ e<sup>-</sup>



### Semiflex (31013)

Vented cylindrical ionization chamber  
Volume: 0.3 cm<sup>3</sup>  
Field size: (4 x 4) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup>

Gy γ e<sup>-</sup>



### PTW Farmer<sup>®</sup> (30013)

Vented cylindrical ionization chamber  
Volume: 0.6 cm<sup>3</sup>  
Field size: (5 x 5) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup>

Gy γ e<sup>-</sup>



### microDiamond<sup>®</sup> (60019)

Synthetic diamond detector  
Volume: 0.004 mm<sup>3</sup>  
Field size: (1 x 1) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup>

Q γ e<sup>-</sup>



### PinPoint<sup>®</sup> (31015)

Vented cylindrical ionization chamber  
Volume: 0.03 cm<sup>3</sup>  
Field size: (2 x 2) cm<sup>2</sup> ... (30 x 30) cm<sup>2</sup>

Gy Q γ



### PinPoint<sup>®</sup> (31023)

Vented cylindrical ionization chamber  
Volume: 0.015 cm<sup>3</sup>  
Field size: (2 x 2) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup>

Q γ

Gy Absolute Dosimetry Q Small Field Dosimetry γ Photon Dosimetry e<sup>-</sup> Electron Dosimetry

For more information on PTW detectors, visit [www.ptw.de](http://www.ptw.de).

PTW

# BEAMSCAN<sup>®</sup>

## Detector Overview



**PinPoint<sup>®</sup> 3D** (31022)  
Vented cylindrical ionization chamber  
Volume: 0.016 cm<sup>3</sup>  
Field size: (2 x 2) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup>



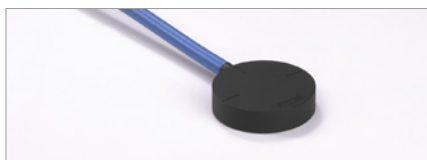
**Dosimetry Diode P** (60016)  
Shielded diode  
Volume: 0.03 mm<sup>3</sup>  
Field size: (1 x 1) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup>



**microSilicon** (60023)  
Unshielded diode  
Volume: 0.03 mm<sup>3</sup>  
Field size: (1 x 1) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup> for electrons,  
(1 x 1) cm<sup>2</sup> ... (10 x 10) cm<sup>2</sup> for photons



**T-REF Chamber** (34091)  
Vented plane-parallel ionization chamber  
Volume: 10.5 mm<sup>3</sup>  
Field size: max. (5 x 5) cm<sup>2</sup>



**Roos<sup>®</sup>** (34001)  
Vented plane-parallel ionization chamber  
Volume: 0.35 cm<sup>3</sup>  
Field size: (4 x 4) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup>



**Advanced Markus<sup>®</sup> with protective cap** (34045)  
Vented plane-parallel ionization chamber  
Volume: 0.02 cm<sup>3</sup>  
Field size: (3 x 3) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup>



**Markus<sup>®</sup> with protective cap** (23343)  
Vented plane-parallel ionization chamber  
Volume: 0.055 cm<sup>3</sup>  
Field size: (3 x 3) cm<sup>2</sup> ... (40 x 40) cm<sup>2</sup>



Absolute Dosimetry Small Field Dosimetry Photon Dosimetry Electron Dosimetry

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