

**Radcal**<sup>®</sup>  
PRIMUS FG18

## SIMPLIFY IMAGING PERFORMANCE EVALUATION WITH COMPREHENSIVE TESTING

EFFORTLESSLY PERFORM PRECISE IMAGE QUALITY CHECKS AT FLUOROSCOPIC X-RAY UNITS TO ENSURE OPTIMAL RESOLUTION, ALIGNMENT AND BRIGHTNESS ADJUSTMENTS

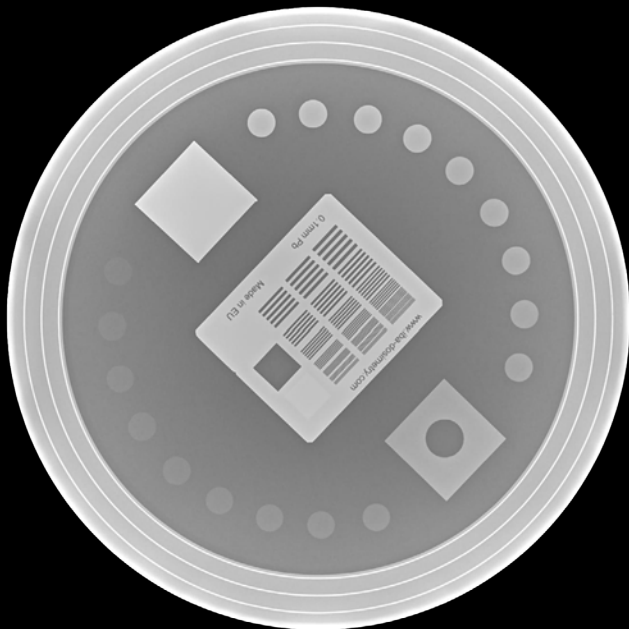
- Evaluate low- and high-contrast resolution using 18 low-contrast objects.
- Utilize 150mm, 160mm and 170mm circular rims for alignment and collimation.
- Enable precise brightness and contrast adjustments with Pb and Cu inserts.
- Adapt seamlessly to standard fluoroscopic systems or custom configurations.

# PRIMUS FG18 PHANTOM: YOUR PARTNER IN PRECISION

When precision matters most, the Primus FG18 phantom sets the standard for performance evaluation in fluoroscopic systems. This state-of-the-art diagnostic phantom enables brightness and contrast adjustments, circular geometry checks (scanning linearity), and comprehensive low- and high-contrast resolution evaluation.

Engineered for optimal accuracy, efficiency and compliance, the Primus FG18 combines innovation with practical functionality, making it an essential tool for image quality checks on digital and conventional fluoroscopic X-ray units.

Enhance your fluoroscopic imaging systems today with the Primus FG18 phantom.



## TECHNICAL SPECIFICATIONS-

Diameter: 180 mm

Thickness: 10 mm

3 Outer Circular Rims:  
[diameters 150, 160 and 170 mm]  
for geometry and collimation  
verification

18 Low-contrast Objects:  
[8 mm in diameter] with contrast  
levels ranging from 0.9 to 16.7%

Line Pair Resolution Pattern:  
for detailed resolution  
testing [range: 0.6 to 5.0 LP/mm]

Pb and Cu squares with circular  
low-contrast objects for  
adjusting contrast and brightness

High-Purity Cu Attenuation  
Filters: 1.0 and 0.5 mm thick,  
designed to fit the diaphragm  
housing

Compact Carrying Case

Compliant with: IEC 61223-3-1 -  
IPEM Report 91 [2005]: Recommended  
Standards for the Routine Performance  
Testing of Diagnostic X-Ray Imaging  
Systems published by the Institute of  
Physics and Engineering in Medicine.

The manual provides detailed  
guidelines for carrying out each  
test, results assessment and  
registration.

© 2024 IBA Dosimetry GmbH. All Rights Reserved. Specifications subject to change without notice. IBA Dosimetry GmbH is not responsible for errors or omissions. RADCAL™ makes no warranties or commitments concerning the availability of future products or versions that may be planned or under development. Primus FG18-BR\_E\_Rev\_1124\_EG

This flyer contains information about a product that is not yet released. Please note that the data and details provided are preliminary and subject to change.



**IBA Dosimetry GmbH**  
Bahnhofstrasse 590592  
Schwarzenbruck

[www.linkedin.com/company/iba-dosimetry-gmbh](http://www.linkedin.com/company/iba-dosimetry-gmbh) 

**E:** [sales-diagnostic@iba-group.com](mailto:sales-diagnostic@iba-group.com)  
**W:** [www.iba-dosimetry.com](http://www.iba-dosimetry.com)  
**Phone:** +49 [9128] 607-0  
**Fax:** +49 [9128] 607-11

