MagicMaX Universal

EXCEPTIONAL · INNOVATIVE
ONE INTEGRATED SOLUTION

FOR QUALITY CONTROL IN MEDICAL IMAGING

MagicMaX *Universal*

EXCEPTIONAL · INNOVATIVE · ONE INTEGRATED SOLUTION

YOUR HIGH-END MULTIMETER SOLUTION SOLVING ALL YOUR NEEDS IN BEAM VERIFICATION.

- **ALL-IN-ONE DEVICE** for all X-ray modalities
- **ADVANCED SOFTWARE** provides a fast total overview as well as comprehensive expert level detail and reporting
- **PLUG & PLAY** system allows fast and seamless workflow within ONE minute setup time

COMPUTER OPERATING SYSTEM

- Operating system: Windows XP 32 bit SP 3, Windows Vista 32 and 64 bit, Windows 7
- Pentium processor (or equivalent), minimum 1.6 GHz
- 1 GB RAM
- 600 MB free hard disk space
- DirectX 9.29.1973 or later
- Internet Explorer version 6 or later

CONNECTION TO

- Solid State Detector RQA for Radiography and Fluoroscopy
- Solid State Detector RQM for Mammography
- Current Probe
- Illuminance Detector

Connection to second dose detector allows simultaneously measuring both entrance and exit dose

CONNECTION TO

- Ionisation Chamber DCT 10
- Multidetector XR
- Multidetector XM

MagicMaX*Universal* CASES

YOUR ALL-IN-ONE SOLUTION KEEPING YOU MOBILE.

MagicMaX*Universal* FULL QA KIT

- MagicMaX*Universal*
- Test phantoms for all X-ray modalities
- Multidetector radiography / fluoroscopy XR and mammography XM
- MagicMaX Current Probe
- Illuminance detector
- Ionization chamber for CT

MagicMaX*Universal* RAD/FLU CASE

- MagicMaX*Universal*
- Multidetector radiography / fluoroscopy XR
- MagicMaX Current Probe
- Test phantom for radiography and fluoroscopy
- Illuminance detector

MagicMaX*Universal* MAMMO CASE

- MagicMaX*Universal*
- Multidetector mammography XM
- Test phantom PASMAM C
- MagicMaX Current Probe
- Illuminance detector

MagicMaX*Universal* CT CASE

- MagicMaX*Universal*
- CT phantom for adults & pediatric
- Ionization chamber for CT
- Illuminance detector

MagicMaX*Universal* CASE

- MagicMaX*Universal*
- Multidetector radiography / fluoroscopy XR and mammography XM
- MagicMaX Current Probe
- Illuminance detector
- Ionization chamber for CT

All components shown are also available as a single solution.

MagicMaX*Universal* FAMILY

IONIZATION CHAMBER DCT10-MM

- For CT application
- High sensitivity carbon pencil chamber

ILLUMINANCE DETECTOR

- Light output measurements of image intentsifiers and viewing boxes

CURRENT PROBE

- Unique invasive and non invasive measurents of the tube current

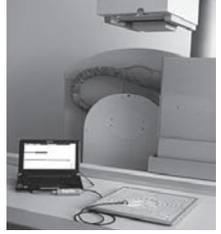
MULTIDETECTOR XR

- For radiography and fluroscopy
- Measuring values: kV_p, PPV, HVL, dose, dose rate, dose per pulse, exposure time and wave form

MULTIDETECTOR XM

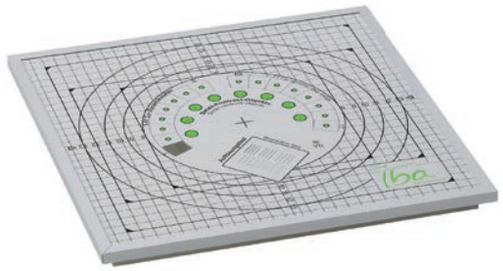
- For mammography
- Measuring values: kV_p, PPV, HVL, dose, dose rate, dose per pulse, exposure time and wave form

IMAGE QUALITY
QUALITY ASSURANCE



TEST DEVICE PRIMUS L

- Digital + conventional Radiography and Fluoroscopy
- Parameters and determination:
  - Dynamic range
  - Linepair resolution performance
  - Contrast resolution
  - Limitation of the radiation field



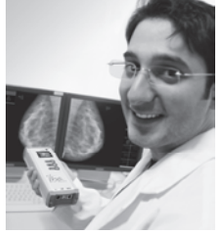
PMMA CT-PHANTOM

- Innovative 3-part nested PMMA phantom for Computed Tomography
- Designed for CTDI determination of pediatric & adult protocols

TEST DEVICE PASMAM

- Base phantom (40mm) with Al-step wedge
- Structure plate (6mm) with rotable lead line resolution test (5,6,7,8 & 10lp/mm)
- 4 rows of metal balls for check of missed tissue at chest wall side
- Different inserts based on technical as well as biomedical test

DISPLAY QUALITY
QUALITY ASSURANCE



SPOT-LUMINANCE-METER & COLORIMETER LX*chroma*

- Precise low level luminance measurements
- Spectral colormetric measurement with the 256-BI-Tec-Sensor
- Large display for easy reading
- New compact design intergrates stray light tube, a camera and a display
- Inclination sensor for precise user alignment

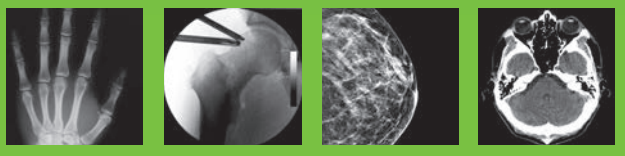
SPOT-LUMINANCE-METER LX*can*

- Both distance and contact measurement
- Easy targeting with a bulit-in camera
- Real-time measurement
- Alignment and adjustment of measurement with large backlight display

ILLUMINANCE DETECTOR LX-LS

- Recommended accessory for LXcan / LXchroma for additional illuminance measurements
- The ambient light of image display devices
- At viewing boxes

MagicMaX Full-QA for all radiology imaging modalities!



Radiography + Fluoro + Mammo + CT

- **High Precision:** high time resolution of 0.1 ms
- **All Modalities in One Device:** 21 kV – 160 kV (full detector flexibility, twin detector port)

DISCOVER MORE ONLINE

See MagicMaX at YouTube (ibadosimetry)

www.iba-dosimetry.com

MagicMaX in Clinical Application

"We are using the MagicMaX in our institution since 2010. The MagicMaX supported us in our daily routine and has been serviceable in special circumstances. It was found to be very flexible and reliable in it's usability. Especially the access to the voltage, HVL and wave form in addition to the dosage information was found to be helpful in several cases. In addition the MagicMaX was proven to be a viable tool in professional training settings."

DR. M. BOROWSKI
MEDICAL PHYSICS EXPERT AT THE KLINIKUM BRAUNSCHWEIG, GERMANY

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Protect, enhance and save lives

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