Eichfähiges Diagnostikdosimeter und Spannungsmessgerät für den gesamten Radiographiebereich
Calibrateable Diagnostic Dosismeter and kV - Meter

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<th>Technical Details</th>
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<td><strong>Measuring method</strong></td>
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| **Application range** | Total filtering according to DIN EN 61267 and IEC 1267  
22kV (MV25)-35kV (MV35) without additional filters  
22kV (MH25)-35kV (MH35) with 2,5mm Al  
40kV (RQA 3)-160kV (RQA 10) behind phantom (25mm Al)  
40kV (RQR 3)-160kV (RQR 10) attenuated radiation beam (2,5mm Al) |
| **Dose rate** | Effective range: 0,001 µGy/s – 1 Gy/s (resolution 0,1 ms)  
Dose rate: automatically averaged over 1 second  
Display range: 0,001 µGy/s – 9999 Gy/s |
| **Dose** | Effective range: 0,005 µGy – 999 Gy (resolution 0,001nGy)  
Display range: 0,001 µGy – 9999 Gy  
Alignment: vertically to detector surface  
Mode: automatic responsivity adjustment over entire effective range |
| **Influence of scattered radiation** | Due to the detector’s brass shielding scattered radiation has only fractional, if any, influence on results (Errors <2% with dose measurement!). |
| **Tube voltage** | Effective range: 22-35 kV (mammography) and 40-160 kV (radiography)  
Accessories: 0,5 mm Al additional filtering for voltage measurements on dental x-ray equipment with tube (@ 2mm Al cumulative filtering) |
| **Exposure time** | Effective range: 0,6 ms – 50s (resolution 0,1ms)  
Display range: 0,1ms – 50s  
Error rate: <10% (from 1,0ms) <2% (from 5,0ms)  
Mode: Stop watch (default configuration 20s) |
| **Parameters** | Installed Firmware Version (0.4) displayed with every switch-on and Reset  
Temperature range (default): +15°C – +40°C  
Relative humidity (default): 20% - 75%, 20g/m³ |