OVERVIEW
Varex 4343W is a lightweight wireless flat panel detector designed for digital radiographic systems. It fits standard 17” x 17” bucky trays and its 5 GHz wireless connection provides robust communication in table, above table, chest stand, and mobile cart applications. Option for in-bucky inductive charging eliminates the need to change batteries. In case inductive charging is not utilized, the detector supports battery hot swap as well.

Varex 4343W comes in a plastic housing and it is the first panel on the market with an Ingress Protection rating of IP68. This industry-leading housing design is extremely robust and supports uniform loads up to 300 kg and concentrated loads up to 200 kg.

FEATURES AND BENEFITS
- Improved ergonomics including hand grips
- Reduced weight (3.1 kg / 3.3 kg)
- Ingress Protection rating IP68
- Improved wireless performance (5 GHz)
- Reduced cycle time < 5 s
- Battery hot swap (3 mins. up-time)
- Inductive Charging inside bucky
- Enhanced Automatic Exposure Detection (AED)
- Gyroscope (X,Y,Z)
- Hall sensor for bucky positioning
- Shock and free fall sensors
- Dynamic integration time (350-4000 ms)
- Dual Energy capable
- Supports panel sharing
- Customizable overlay

APPLICATIONS
- Digital radiography
**TECHNICAL SPECIFICATIONS**

**SENSOR**
- Scintillator: DRZ+ / Standard CsI / Premium CsI
- Pixel Matrix: 3072 x 3072
- Pixel Pitch: 139 µm
- Active Area (DRZ+): 424 x 424 mm
  - (CsI): 421 x 421 mm

**IMAGE QUALITY (typical)**

<table>
<thead>
<tr>
<th>Metric</th>
<th>DRZ+</th>
<th>Standard CsI</th>
<th>Premium CsI</th>
</tr>
</thead>
<tbody>
<tr>
<td>DQE @ 0 lp/mm</td>
<td>39%</td>
<td>65%</td>
<td>76%</td>
</tr>
<tr>
<td>DQE @ 1 lp/mm</td>
<td>28%</td>
<td>54%</td>
<td>62%</td>
</tr>
<tr>
<td>DQE @ 3 lp/mm</td>
<td>9%</td>
<td>29%</td>
<td>32%</td>
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<tr>
<td>MTF @ 1 lp/mm</td>
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<tr>
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</tr>
<tr>
<td>MTF @ 3 lp/mm</td>
<td>10%</td>
<td>17%</td>
<td>14%</td>
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</tbody>
</table>

**COMMUNICATIONS**
- Wireless Interface: 802.11 n/ac (5 GHz)
- Wireless Modes: Station (STA) or Access Point (AP)
- Cycle Time @ 550 ms: <5 sec
- X-Ray Window: 350-4000 ms
- Exposure Control - Inputs: Prepare, Exposure-Request
- Exposure Control - Outputs: Expose-OK

**ADVANCED FEATURES**
- Inductive Charging: 15 Watt In-bucky Charger
- Battery Hot Swap: Maintains power/connection for 3 minutes
- Gyroscope: Orientation (x, y, z) Status
- Bucky Retrofit Option: Inductive Charger

**MECHANICAL**
- Uniform Load Across Entire Surface: 300 kg
- Concentrated 40 mm Diameter Load at the Center: 200 kg
- Dimensions: 460 x 460 x 15 mm
- Weight (DRZ+ / CsI): 3.1 kg / 3.3 kg
- Housing Material: Plastic

**ENVIRONMENTAL**
- Ingress Protection: IP68
- Operating Temperature: 10°C to 40°C
- Storage Temperature: -20°C to +55°C
- Humidity (non-condensing): 10% to 90%

**BATTERY**
- Type: Lithium Polymer (prevents overcharging)
- Charge Capability: 1600 images over 8 hrs.
- Expected Life: 500 cycles of charge/discharge

**REGULATORY**
- Canada: CAN/CSA C22.2 No. 60601-1:14
- EU: IEC/EN 60601-1:2012

1 Unless otherwise specified, Varex Imaging Flat Panel X-ray Detectors are components intended to be integrated into products by X-ray system manufacturers. System manufacturers are responsible for qualifying and validating their products for their intended uses and meeting all applicable regulatory requirements.

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