

# DIN EN ISO/IEC 15423:2010-12 (E)

Information technology - Automatic identification and data capture techniques - Bar code scanner and decoder performance testing (ISO/IEC\_15423:2009); English version EN\_ISO/IEC\_15423:2010

---

<b>Contents</b>	<b>Page</b>
<b>Foreword</b> .....	<b>3</b>
<b>Introduction</b> .....	<b>4</b>
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>6</b>
<b>4 Abbreviated terms</b> .....	<b>9</b>
<b>5 Categories of scanning equipment</b> .....	<b>9</b>
<b>5.1 Scanners with single-axis reading diagram</b> .....	<b>10</b>
<b>5.2 Scanners with two-axis reading diagram</b> .....	<b>10</b>
<b>5.3 Scanners with three-axis reading diagram</b> .....	<b>10</b>
<b>6 Test requirements</b> .....	<b>10</b>
<b>6.1 Test methods</b> .....	<b>10</b>
<b>6.2 Selection of equipment for testing</b> .....	<b>11</b>
<b>6.3 Test conditions</b> .....	<b>11</b>
<b>6.4 Test charts</b> .....	<b>11</b>
<b>6.5 Test equipment</b> .....	<b>19</b>
<b>6.6 Test criteria</b> .....	<b>19</b>
<b>6.7 Parameters to be tested and test methods</b> .....	<b>20</b>
<b>6.8 Test report</b> .....	<b>30</b>
<b>7 Certification and labelling</b> .....	<b>30</b>
<b>8 Equipment specification</b> .....	<b>31</b>
<b>8.1 General</b> .....	<b>31</b>
<b>8.2 Scanner/decoder interface</b> .....	<b>32</b>
<b>8.3 Human interface</b> .....	<b>32</b>
<b>8.4 Computer interface</b> .....	<b>32</b>
<b>8.5 Digital input and output (I/O)</b> .....	<b>33</b>
<b>8.6 Programming and configuration</b> .....	<b>33</b>
<b>Annex A (normative) General operational requirements</b> .....	<b>34</b>
<b>Annex B (informative) Classification of scanners</b> .....	<b>35</b>
<b>Annex C (informative) Example of decodability calculation</b> .....	<b>41</b>
<b>Bibliography</b> .....	<b>43</b>