



Equipment Necessary for Certifying Each Class of Measuring Instrument

Licence Class	Minimum Testing Equipment
<p>1. MASSES</p> <p>(a) Not exceeding 20kg, Other than masses marked "A" or metric carat</p> <p>(b) masses marked "A" or metric carat</p> <p>Licence classes 1 (a) & (b)</p>	<p>Less than 1kg – Suitable class "B" equal arm or class 1 or 2 Weighing instrument with a maximum verification scale interval ("e") of 10mg;</p> <p>1kg or more, but less than 10 kg – suitable class "B" equal arm or class 1 or 2 Weighing instrument with a maximum verification scale interval ("e") of 100mg;</p> <p>10kg or more –</p> <p>suitable class "B" equal arm or class 1 or 2 Weighing instrument with a maximum verification scale interval ("e") of 1g</p> <p>Suitable class</p> <p>"A" or "B" equal arm beam or class 1 or 2 weighing instrument as agreed by the administrating authority.</p> <p>One set of reference standards of mass, inspectors class 1 of appropriate denominations.</p>
<p>2. MEASURES OF VOLUME</p> <p>Licence classes (a) to (e)</p> <p>(c) & (d)</p>	<p>Suitable water supply preferably filtered. Reference standard thermometer and suitable means to ensure correction of the test water to 20°C.</p> <p>Reference standards of volume inspectors class 1, of suitable capacities.</p> <p>Class 1 or 2 weighing instrument of suitable capacity to facilitate testing by gravimetric means.</p> <p>Suitable test bench.</p> <p>Additional equipment, when tested by the batch testing method.</p> <p>Suitable manual water filling control.</p>

<p>3. LENGTH MEASURING INSTRUMENTS</p> <p>(a) Measures of length not exceeding 2 metres.</p> <p>(b) Measures of length exceeding 2 metres.</p> <p>(c) Fabric Measuring Instruments</p>	<p>Facilities to correct test location temperature to 20°C. Suitable test bench, minimum of 2.5 metres length, wall mounted or free standing.</p> <p>Reference standard of length inspectors class 1, with 1mm scale marks.</p> <p>10 magnification measuring magnifier(s) with 0.1mm scale marks to 10mm</p> <p>Facilities to correct test location temperature to 20°C. Suitable test bench, minimum of 10 metres length, wall mounted or free standing. Reference standard of length inspectors class 1, with 2mm scale marks.</p> <p>10 magnification measuring magnifier(s) with 0.1mm scale marks to 10mm. Suitable tapes, tension masses and tension mass cords.</p> <p>Suitable test bench to 2 metres length, wall mounted or free standing.</p> <p>Reference standard of length inspectors class 2.</p>
<p>4. AREA MEASURING INSTRUMENTS</p> <p>Leather Measuring Instruments</p>	<p>Reference standard templates inspectors class 1 of suitable diameters.</p>
<p>5. WEIGHING INSTRUMENTS</p> <p>(a) Classes 1 and 2*</p> <p>(b) 30kg capacity or less, classes 3 and 4</p> <p>(c) Exceeding 30kg capacity but not exceeding 3 tonne, classes 3 and 4</p> <p><i>* As specified in Document 100 of the National Standards Commission</i></p> <p>(d) Exceeding 3 tonne, classes 3 and 4</p>	<p>One set of reference standards of mass, inspectors class 1 of appropriate denominations. Suitable test bench, free standing.</p> <p>One set of reference standards: 10mg to 5kg – inspectors class 2, 10kg and 20kg – inspectors class 3.</p> <p>Suitable test bench, free standing.</p> <p>Reference standards: One set 1g to 5kg – inspectors class 2, 1 tonne – inspectors class 3, plus access to a further 2 tonnes.</p> <p>Reference standards: One set to 100g to 4kg – inspectors class 2, 1 tonne – Inspectors class 3, plus access to further such masses sufficient to test to 20% of the largest capacity weighing instrument certified.</p>

<p>8. LIQUID MEASURING INSTRUMENTS</p> <p>(a) Liquor dispensers</p> <p>(b) Flowrates not exceeding 100L/min – petroleum</p> <p>(c) Flowrates exceeding 100L/min – petroleum.</p> <p>(d) Flowrates used for other than petroleum products</p> <p>(e) Flowrates not exceeding 100 L/min – liquified gases, excluding cryogenic liquids: and</p> <p>(f) Flowrates excluding 100 L/min – liquified gases, excluding cryogenic liquids</p>	<p>Reference standards of volume, inspectors class 1 – 15ml, 30ml and 60ml capacities,</p> <p>Provisions of suitable test medium liquid(s)</p> <p>2 x 15 Litre reference standards of volume inspectors class 1.</p> <p>Graduated measuring cylinder(s) reference standard of volume inspectors class 1 of appropriate capacity.</p> <p>Reference standards of volume inspectors class 1 of suitable capacity to ensure at least one minutes continuous delivery or appropriate testing equipment as agreed by the administrating authority.</p> <p>Graduated measuring cylinder reference standards inspectors class 1 of appropriate capacity.</p> <p>Appropriate testing equipment as agreed by the administrating authority.</p> <p>Gravimetric testing equipment as agreed by the administrating authority.</p> <p>Reference standard hydrometer: or</p> <p>Master flowmeter, as agreed by the administrating authority.</p> <p>Reference standard thermometers.</p>
<p>9. MASS FLOWMETERS</p> <p>(a) Food products: and</p> <p>(b) Non- food products</p>	<p>Appropriate testing equipment, as agreed by the administering authority.</p>
<p>10. MISCELLANEOUS</p> <p>Measuring instruments not otherwise specified.</p>	<p>Appropriate testing equipment, as agreed by the administering authority.</p>

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