

## **Draft EAC fabric measuring instruments regulations, 2011**

1. The term 'fabric measuring instrument' means a measuring instrument designed for the determination of the length of woven fabrics; and the term 'fabric' shall be taken to mean a stretchy textile material.

### **Definition.**

2. Every fabric measuring instrument shall-

### **Construction.**

(a) be made of materials having adequate stability and strength to withstand the normal conditions of use and environment without operational defect;

b) be fitted with -

- i) a device to prevent fabric being inserted in the instrument until the individual sales indicator has been reset to zero;
- ii) A mechanism to prevent over spin when the instrument is being used to measure remnants of fabric.

3. Every legend on a fabric-measuring instrument intended to be used in the presence of a purchaser shall be so positioned as to permit the purchaser a clear and an obstructed view of all the indications of measurement pertaining to such operations.

### **Indications to be conspicuous**

4( 1) Every legend on a fabric-measuring instrument having reference to the method of operation of the instrument shall be conspicuously and legibly marked in a suitable position on the instrument.

### **Legend and Notice as to limitation**

(2) A fabric-measuring instrument which will measure accurately only certain types of fabric shall bear a notice, visible to the vendor and the purchaser, indicating clearly such limitations.

5.( 1) Any individual sales indicator fitted to a fabric-measuring instrument shall be arranged such that it can readily be reset to its zero indication and such that it is not possible to advance the indication by means other than the proper operation of the instrument.

### **Individual sales indicators**

2) Any counting or totalizing device shall be so arranged as to avoid any possibility of confusion with the individual sales indicator.

6.( 1) Every fabric-measuring instrument shall be tested under practical working conditions.

### **Testing**

2) The instrument shall be tested by drawing through it, at any reasonable speed of operation, a suitable fabric whose length has been predetermined by means of a suitable standard measure of length and then comparing the indications of the instrument with the length as determined by means of the standard:

Provided that in the case of an instrument displaying notice as provided in paragraph (2) of rule 204 the material used for the test shall be of the kind referred to in such notice.

7.( 1) The maximum permissible errors on verification and on inspection or re-verification of fabric-measuring instruments shall be

### **Permissible errors**

as set out in Table 16 of these Rules.

2) Where printing devices are fitted, the indicated and printed lengths shall:-

a) in the case of digital indicating devices, be the same;

b) in the case of analogue indicating devices, not differ by an amount greater than half of the scale interval or the maximum permissible error of the indicated length, whichever is the less.

**TABLE 16**

1	2	3
Type of Instrument	Maximum Permissible Error in Excess or in Deficiency	
	On Verification  (a)	On Inspection or Re-verification  (b)
Instrument designed to measure in meters .. .. .. .. .. Instrument designed to measure in centimeters-	0.05 m.  0.2 cm.	0.1 m.  0.4 cm.

8.( 1) Every fabric-measuring instrument shall be fitted with one or more plugs, seals or sealing devices of suitable form and material to protect all adjustable parts the adjustment of which would affect the accuracy of the instrument, or with such alternative sealing arrangement as may be approved by the **Head of Legal Metrology** in relation to a particular pattern.

**Sealing at adjustable parts and stamping**

2) The verification mark shall be applied on all plugs, seals or sealing devices fitted in accordance with paragraph (1).