

### Report on Outcome of Inspection and verification of Length Measurer

Name of Licensee Acting as Inspector and Providing Verification of Length Measurer Being

Manufactured by Licensee : .....

License No. ....

Application No. .... in the Number of ..... Measurers

Series Number of Instrument ..... to .....

Inspection and verification between Date ..... to .....

Trademark of Manufacturer ..... Model which is specified the form of an  
Instrument.....

Length Measurer in the Types of .....

Materials Used to Produce Length Measurer are .....

Standard Model Used to Inspect Being Straight Line, Accuracy Class 1, Length..... Meters

Series Number of Instrument..... Calibrated on .....

**Chapter 1 Inspection of Characteristics of Length Measurer, Scale Mark, Scale Interval  
Inspection of Identification Mark, Name or Trademark, Model, Series Number of Instrument, Capacity,  
Scale Mark, Scale Interval, Permissible Scale Mark, Resistance to Tension**

- 1) Series Number of Instrument ..... to ..... in the Number of ..... Measurers  
Capacity ..... Meters, Scale Interval ..... Millimeters, Permissible Scale Mark ..... Centimeters  
Scale Mark, Identification Mark, Name or Trademark
- Resistant to Tension up to 2 Kg. (in Case of Tape Made of Fiberglass)     Resistant to Tension up to 5 Kg. (in case of Metal Tape)  
Having Characteristics     Correct in the Number of..... Measurers     Incorrect in the Number of..... Measurers
- 2) Series Number of Instrument ..... to ..... in the Number of ..... Measurers  
Capacity ..... Meters, Scale Interval ..... Millimeters, Permissible Scale Mark ..... Centimeters  
Scale Mark, Identification Mark, Name or Trademark of Manufacturer
- Resistant to Tension up to 2 Kg. (in Case of Tape Made of Fiberglass)     Resistant to Tension up to 5 Kg. (in Case of Metal Tape)  
Having Characteristics     Correct in the Number of..... Measurers     Incorrect in the Number of..... Measurers
- 3) series number of an instrument..... to ..... in the Number of ..... Measurers  
Capacity ..... Meters, Scale Interval..... Millimeters, Permissible Scale Mark ..... Centimeters  
Scale Mark, Identification Mark, Name or Trademark
- Resistant to Tension up to 2 Kg. (in Case of Tape Made of Fiberglass)     Resistant to Tension up to 5 Kg. (in Case of Metal Tape)  
Having Characteristics     Correct in the Number of..... Measurers     Incorrect in the Number of..... Measurers

**Criteria for Consideration**

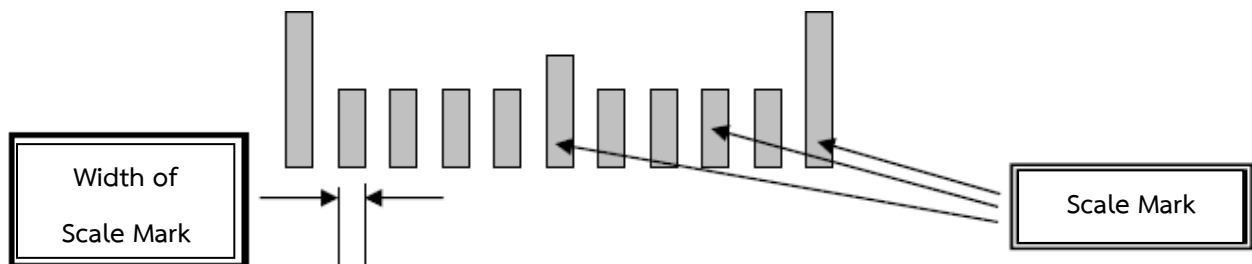
- (1) The automatic rolling metal tape length measurer shall have the capacity not exceeding 15 meters.
- (2) The straight line length measurer shall have the capacity not exceeding 5 meters.
- (3) The tape length measurer made of fiberglass, without a case and a winding device, shall have the capacity not exceeding 5 meters, and be resistant to a tension up to 2 kilograms.
- (4) The tape length measurer made of fiberglass with a case and a winding device, shall have the capacity not exceeding 100 meters, and be resistant to a tension up to 2 kilograms.
- (5) The metal tape length measurer shall have the capacity by starting from 5 meters and not exceeding 200 meters, and be resistant to a tension up to 5 kilograms.

### Inspection of Width of Scale Mark

Series Number of an Instrument ..... to ..... in the Number of..... Measurers

Sampling in the Number of..... Measurers

Capacity ..... Meters, Scale Interval ..... Millimeters



- 1. The width of the scale mark shall not be wider than the half of the smallest scale interval ( $\leq 0.5$  millimeters).
- 2. The width of the scale mark shall not be wider than 0.75 millimeters.
- 3. If the scale interval is wider than 2 centimeters, the width of scale mark shall not be greater than 2 millimeters.

No.	Series Number of Instrument	Scale Mark as Tested (Meters)	Width of Scale Mark as Measured (Mm.)	Width of Scale Mark as Measured not Greater than (Mm.)	Outcome of Test
1					<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
2					<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
3					<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
4					<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
5					<input type="checkbox"/> Pass <input type="checkbox"/> not Pass

**Criteria for Consideration** The width of the scale mark shall not be wider than the half of the smallest scale interval and greater than 0.75 millimeter. If the scale interval is wider than 2 centimeters, the width of scale mark shall not be greater than 2 millimeters. This shall be deemed to pass the inspection.

**Length Measurers as Inspected :**

**1. Sampling Method**

Pass in the Number of..... Measurers

not Pass in the Number of..... Measurers

**2. In the case where anyone of the length measurers does not pass the inspection under 1. the inspection of every one of the length measurers is then required to be carried out.**

Pass in the Number of..... Measurers

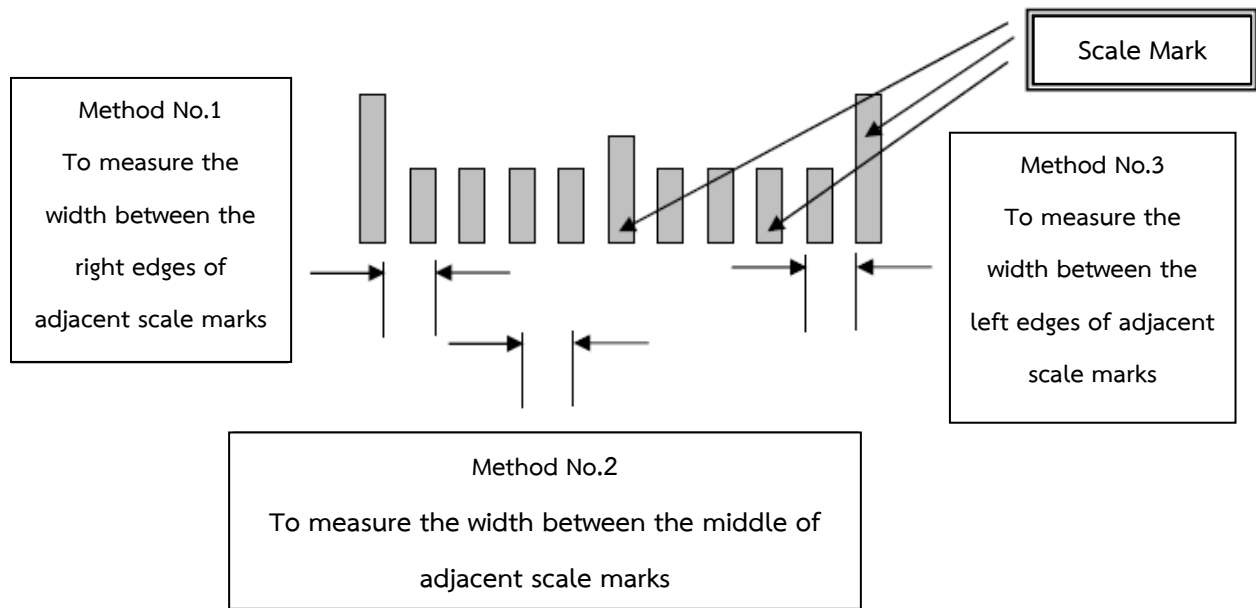
not Pass in the Number of..... Measurers

### Inspection of Width of Scale Interval

Series Number of Instrument ..... to ..... in the Number of..... Measurers

Sampling in the Number of..... Measurers

Capacity ..... Meters, Scale Interval..... Millimeters



- To Choose Method No. :  1. To measure the width between the right edges of adjacent scale marks
2. To measure the width between the middle of adjacent scale marks
3. To measure the width between the left edges of adjacent scale marks

Inspection of Width of Scale Interval

No.	Series Number of Instrument	Distance as Tested (Meters)	Scale Interval as Measured (mm.)	Deviation of Scale Interval (mm.)	Maximum Permissible Error (mm.)	Outcome of Test
1		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
2		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
3		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
4		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
5		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass

**Criteria for Consideration**

(1) For the automatic rolling metal tape length measurer, the straight line length measurer, the metal tape length measurer

Scale Interval	Maximum Permissible Error
Not Exceeding 1 Millimeter	0.2 Millimeter
Greater than 1 Millimeters but not Exceeding 1 Centimeter	0.4 Millimeter
Greater than 1 Centimeter	0.5 Millimeter

(2) For the tape length measurer made of fiberglass

Scale Interval	Maximum Permissible Error
Not Exceeding 1 Millimeter	0.3 Millimeter
Greater than 1 Millimeters but not Exceeding 1 Centimeter	0.6 Millimeter
Greater than 1 Centimeter	1.0 Millimeter

**Length Measurers as Inspected :**

**1. Sampling Method**

Pass in the Number of..... Measurers

not Pass in the Number of..... Measurers

2. In the case where anyone of the length measurers does not pass the inspection under 1. the inspection of every one of the length measurers is then required to be carried out.

Pass in the Number of..... Measurers

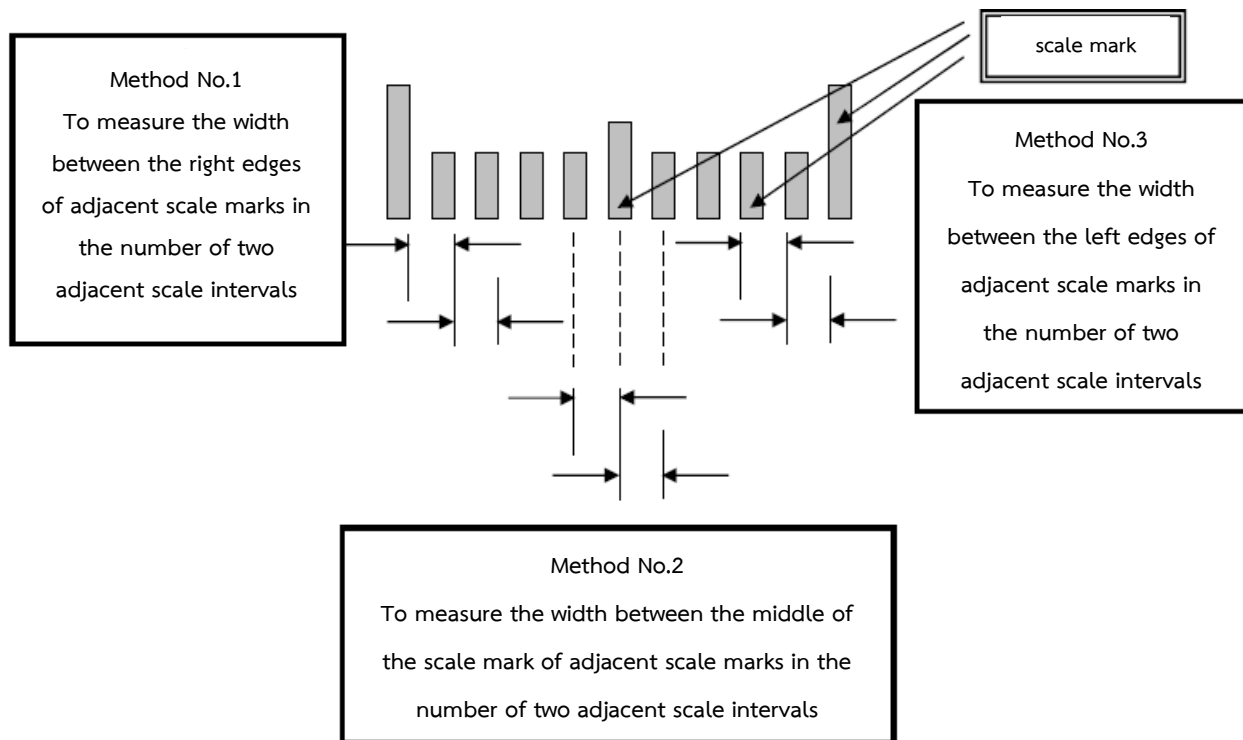
not Pass in the Number of..... Measurers

### Inspection of Width of Two Adjacent Scale Intervals

Series Number of Instrument..... to ..... in the Number of..... Measurers

Sampling in the Number of..... Measurers

Capacity ..... Meters, Scale Interval..... Millimeters



- To Choose Method No. :
- 1. To measure the width between the right edges of adjacent scale marks in the number of two adjacent scale intervals
  - 2. To measure the width between the middle of the scale mark of adjacent scale marks in the number of two adjacent scale intervals
  - 3. To measure the width between the left edges of adjacent scale marks in the number of two adjacent scale intervals



**Inspection of Width of Two Adjacent Scale Intervals**

No.	Series Number of Instrument	at Distance (Interval No.1)/ Scale Interval as Measured (Mm.)	at Distance (Interval No.2)/ Scale Interval as Measured (Mm.)	Difference of Scale Interval (Mm.)	Maximum Permissible Error (Mm.)	Outcome of Test
1		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
2		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
3		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
4		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
5		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass

**Criteria for Consideration**

(1) For the automatic rolling metal tape length measurer, the straight line length measurer, the metal tape length measurer

(2) for the tape length measurer made of fiberglass

Scale Intervals	Maximum Permissible Errors
Not Exceeding 1 Millimeter	0.2 Millimeter
Greater than 1 Millimeter but not Exceeding 1 Centimeter	0.4 Millimeter
Greater than 1 Centimeter	0.5 Millimeter

Scale Intervals	Maximum Permissible Errors
Not Exceeding 1 Millimeter	0.3 Millimeter
Greater than 1 Millimeter but not Exceeding 1 Centimeter	0.6 Millimeter
Greater than 1 Centimeter	1.0 Millimeter

**Length Measurers as Inspected :**

**1. Sampling Method**

Pass in the Number of..... Measurers

not Pass in the Number of..... Measurers

2. In the case where anyone of the length measurers does not pass the inspection under 1. the inspection of every one of the length measurers is then required to be carried out.

Pass in the Number of..... Measurers

not Pass in the Number of..... Measurers

**Chapter 2 Inspection of Accuracy of Length Measurer  
 Inspection of Distance between Two Non-Adjacent Scale Marks  
 and Distance from Zero Scale Mark to Highest Scale Mark**

Series Number of Instrument..... to ..... in the Number of..... Measurers

Sampling in the Number of..... Measurers

Capacity ..... Meters, Scale Interval..... Millimeters

No.	Series Number of Instrument	Distance as Tested (Meters)	Length as Measured (Mm.)	Deviation (Mm.)	Maximum Permissible Error (Mm.)	Outcome of Test
1		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
2		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
3		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
4		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
5		1)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		2)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		3)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass
		4)				<input type="checkbox"/> Pass <input type="checkbox"/> not Pass

**Criteria for Consideration**

Types of Measurers	Maximum Permissible Error Calculation under Formula
<ul style="list-style-type: none"> <li>• an automatic rolling metal tape length measurer</li> <li>• a straight line length measurer</li> <li>• a metal tape length measurer</li> </ul>	0.3+0.2 L
<ul style="list-style-type: none"> <li>• a tape length measurer made of fiberglass</li> </ul>	0.6+0.4 L

**Length Measurers as Inspected :**

**1. Sampling Method**

Pass in the Number of..... Measurers

not Pass in the Number of..... Measurers

2. In the case where anyone of the length measurers does not pass the inspection under 1. the inspection of every one of the length measurers is then required to be carried out.

Pass in the Number of..... Measurers

not Pass in the Number of..... Measurers

### Inspection of Distance from Zero Scale Mark to Highest Scale Mark

Test of Every One of Length Measurers

Series Number of Instrument..... to ..... in the Number of..... Measurers

Capacity ..... Meters, Scale Interval..... Millimeters

Outcome of Test :     Pass            in the Number of..... Measurers

not Pass        in the Number of..... Measurers

Defective Measurers Comprising Series Number of Instrument

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(Signed)..... Licensee or Person Who Is Authorized (.....)
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