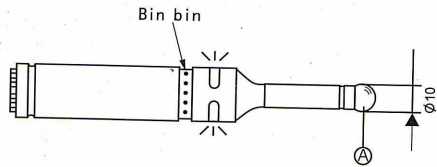


TOUCH-POINT INSPECTION CERTIFICATE



Code No.	<input type="checkbox"/> 0EF-12LA×100×Ø10	<input type="checkbox"/> 0EF-16L×100×Ø10
	<input type="checkbox"/> 0EF-20LA×100×Ø10	<input type="checkbox"/> 0EF-20L×100×Ø10
	<input type="checkbox"/> 0EF-20LA×120×Ø10	<input type="checkbox"/> 0EF-20L×120×Ø10
	<input type="checkbox"/> 0EF-20LA×160×Ø10	<input checked="" type="checkbox"/> 0EF-20L×160×Ø10
	<input type="checkbox"/> 0EF- $\frac{4}{3}$ LA×3- $\frac{7}{8}$ ×4	<input type="checkbox"/> 0EF- $\frac{3}{4}$ L×3- $\frac{7}{8}$ ×4

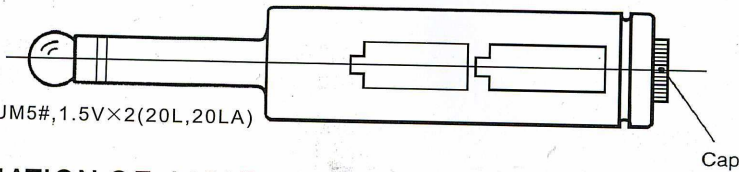
Measuring Point	Permissible Error	Judgment	Remark
Run-out of A per Shank	0.010 T.I.R	OK	OK
Dia. of stylus Ø10	0.005	OK	OK

OPTICAL EDGE FINDER TOUCH POINT SENSOR

After confirming the flowing instruction, please use this touch point sensor correctly due to the highly sensitive position detector.

1 BATTERY

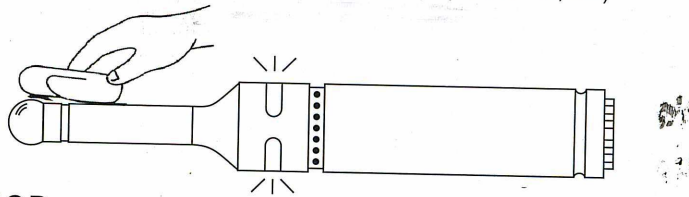
Take off the cap and insert batteries correctly. Do not insert batteries upside down.



Batteries used: UM5#, 1.5V×2 (20L, 20LA)

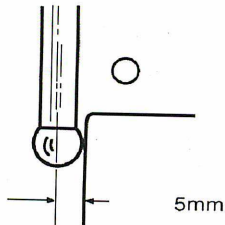
2 CONFIRMATION OF LIGHTING

Confirm the lighting of red lamp with touching A-B part with a metal material (clip, L-menck, etc.)

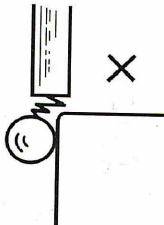


3 MEASURING METHOD

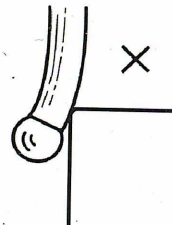
As soon as the ball (out dia. 10mm[3/8"]) touches the work piece with the main spindle stopped, the red lamp lights.



Bring the ball into contact slowly with the side of work piece.



Hitting too much. Do it slowly again.



Do not make the work piece touch the shaft part of touch point sensor as above picture.