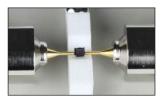
Data Sheet and User Guide

SMD Test Fixture TL89S1

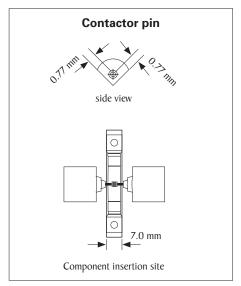




Component insertion site (closeup)

Test fixture for measuring small surface-mount devices (SMD)

The TL89SI fixture is designed to probe SMD components with repeatable and accurate impedance measurements. The contactors are easily adjusted to accommodate different sized components while applying the appropriate contact pressure. This test fixture is attached directly to the front panel of LCR models 889B, 891, 894, and 895.





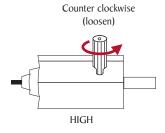
Component sizes	
Electrode Cylindrical type 8.1 mm 3.0 mm	0.2 mm ~ 8.1 mm
3.0 mm Electrode 9.5 mm Rectangular type	LOW HIGH

Specification	TL89S1
Frequency	DC to I0 MHz
DC Bias	±40 V peak max (AC+DC)
Operating Temperature	0 °C to 40 °C
Terminal Connection	BNC, 4 terminal-pair
Dimensions (W x H x D)	5.125 x 2.37 x 3.31 inches (130 x 60.3 x 84 mm)
Weight:	0.67 lbs (0.305 kg)



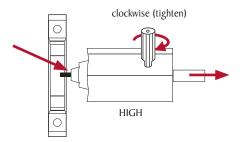
Adjusting the contactor pins

Loosen the lock screw (I) by turning the screw counter clockwise 2 full turns.





Press the High contactor (2) to start the extraction, grip the Contactor rod (4) on the opposite side and pull the contactor open to create a gap large enough to loosely fit the new component. If more space is required, push the Insertion lever (6) to the left until the component fits into the Component insertion site (5).



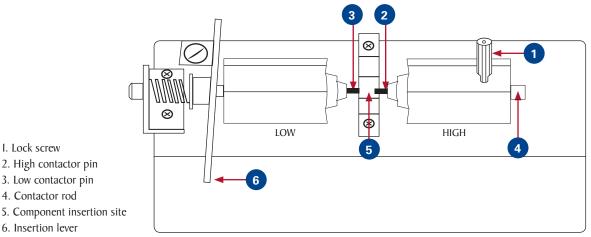


Gently press in on contactor rod (4) until the new component is centered in component insertion site (5).

Continue to apply pressure to the contactor rod (4) while tightening the lock screw by turning it clockwise. Do not over tighten the lock screw. This completes the adjustment process and components of the same size can now be easily changed.

Press the Insertion lever (6) to retract the Low contactor pin. While holding the lever open, remove the previous component and place the next component in the insertion site (5). Slowly release the lever to contact the new component and begin the next measurement.

Note: The contactor pins should be cleaned periodically to remove contamination.



Test fixture illustration

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1. Lock screw 2. High contactor pin 3. Low contactor pin 4. Contactor rod

6. Insertion lever