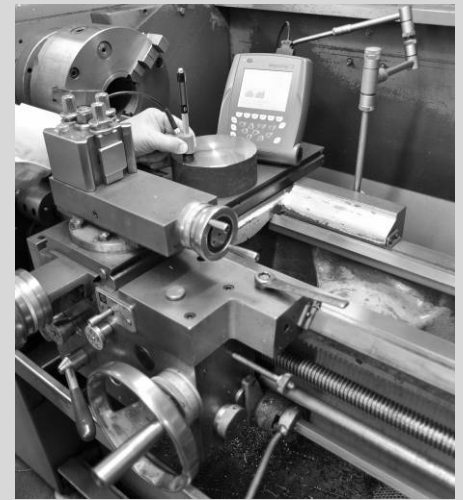


Technical Information

Heavy Use Instructions

Equotip hardness testers are designed for portable applications in industrial environments. A few simple precautionary steps can improve the performance as well as prolonging the service life of your device.



Preparing the Tester

- Only use the Equotip3-supplied or -specified mains adapters for **charging the instruments battery**. The device can also be operated directly from the mains adapter.
- Use the **Equotip protective pouch, stand, or wall-mount**.
- Equotip cables are optimized to have additional flexibility. However it is highly recommended to **avoid sharp bends in the cables** and sudden loads on connectors (these can occur, for example, if the cables get caught or coiled).
- Using the test block supplied **check your Hardness Tester on regular basis to make sure it is operating properly**.



Preparing the Probe

Minimise dirt build-up on the impact device and improve the accuracy by:

- **Removing dirt**, oil, grease, and other contaminants from the measuring point.
- **Machining the surface** as per the Equotip Technical Information sheet on roughness requirements.
- **Removing metal dust** and abrasive grit with a cloth.
- **Placing the sample on a solid support base** or in a holder / fixture.



Measurement Procedure

1. Hold the black **loading tube** with your pointer finger, middle finger, and ring finger on one side and your thumb on the other side. With the other hand, hold the **coil casing** as close as possible to the **support ring**.
2. **Load the impact device in the air** by slowly and evenly sliding the loading tube as far as it will go in the direction of the coil housing. Then slowly draw the loading tube back, **never allowing it to snap back abruptly**.
Please note: Do not load the impact device directly on the test piece.
3. **Slightly depress the release button with your thumb** and wait for approximately 1 second before the next measurement.

Tip: When performing measurements, wear clean gloves and take extra care not to touch the guide tube with dirty hands.

Routine Maintenance and Inspection

- Clean the guide tube at the end of each working day by inserting the **Proceq brush**, using **rotating and rubbing motion**.
- **Clean the support ring and the impact body** (especially indenter ball and catch pin) with acetone.
- Yearly inspection of the instrument by a Proceq-certified Service & Repair Centre is recommended.

Tip: Every week, clean the impact device from the inside (using an acetone-soaked cotton swab) and outside (using an acetone-soaked cloth).

Proper Storage

- **Never leave the impact device out on the workbench.**
- **Do not coil the cable tightly.**
- **Clean the test surfaces of the hardness test block with acetone** and cover with Proceq protective sticker.
- **Store using the Equotip carry case** in a dry location at room temperature.

