

DIGITAL DATA COLLECTION FOR SCB FRACTURE ENERGY LOADING TESTS

Smart-SCB™, by **InstroTek**, is the first Bluetooth® enabled asphalt breaking head for your older load frames designed to perform the Illinois IFIT (AASHTO TP 124), and LSU (ASTM D8044) SCB test methods. The device can independently collect data, perform test analysis and digitally report test results.

The Smart-SCB Jig's integrated high-precision load cell collects data at a rate of 100 Hz while the provided LVDT captures deformation and loading rate. To ensure quick and easy loading of the specimens, the jig also includes alignment tools that precisely position the sample. All data is transferred to any Windows or Android device via Bluetooth® or USB cable. The Smart-SCB application collects, plots, prints, and stores the data directly on your PC, tablet or smartphone. Test results can be easily emailed directly from the application or saved to your computer. The InstroTek Smart-SCB Jig is powered by a rechargeable battery and comes ready for testing.

The Smart-SCB Jig is simple to use and works with all major brands of asphalt loading frames. The included Android tablet comes preloaded with the **Smart-Loader™ Application** and paired to the Smart-SCB Jig for easy test set-up. Easily upgrade your load frame into a smart device using the InstroTek Smart-SCB Jig.



FEATURES

Meets Illinois **IFIT (AASHTO TP 124)** & **LSU SCB Test Methods**

- ▶ Integrated load cell, LVDT and data acquisition
- ▶ Bluetooth enabled
- ▶ Super-fast 100 Hz data collection rate
- ▶ Upgrades your old analog load frame to an advanced digital loading frame
- ▶ Smart-SCB application provides formatted data ready to upload to the IFIT analysis software
- ▶ Reduces potential of operator error from manual determination
- ▶ Provides digital record for printing, storage or email

Smart-SCB™

All data is transferred to any Windows or Android device via Bluetooth® or USB cable.



SPECIFICATIONS

POWER SUPPLY	Rechargeable NiMH batteries
CHARGER	110/220V
CONNECTIVITY	Bluetooth or USB Cable
DATA COLLECTION RATE	100 Hz (data points/second)
LOAD CELL CAPACITY	10kN (2,250 lbs.)
DIMENSIONS	11.5" x 5" x 10.5"
WEIGHT	18 lbs.