

## DIGITAL DATA COLLECTION FOR TENSILE STRENGTH TESTS

**Smart-TSR**, by InstronTek, is the first TSR breaking head that is designed to independently collect data for each tensile strength test performed in the lab. The Smart-TSR's integrated high-precision load cell can collect data at a rate of 100 Hz. Graph paper, graphing pens or printers are no longer required. Simply place the sample in the Smart-TSR breaking head and into your existing load frame. Once the test starts, all the data is transferred to any Windows or an Android device via Bluetooth. The Smart-TSR application collects, plots, prints and stores the data directly on your PC, tablet or smart phone. The results can be easily emailed directly from the application. The Smart-TSR app also displays accurate peak tensile load and strength information, eliminating the potential for errors from manual determination.

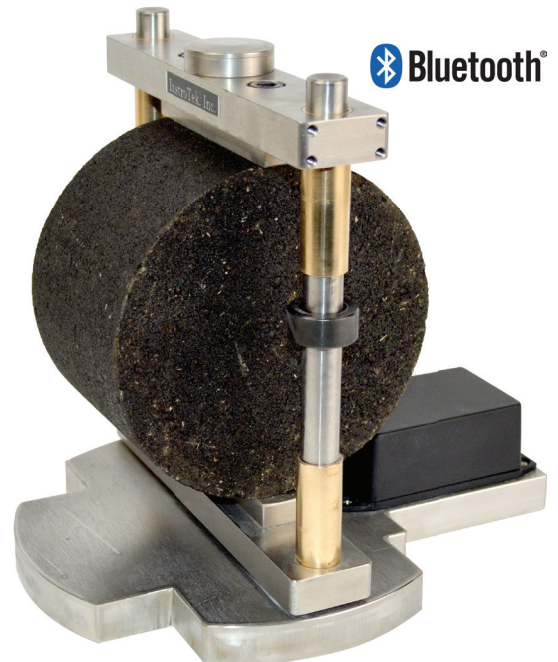
Turn your load frame into a Smart device and perform **AASHTO T283**, **ASTM D6931** and **D4867** tests using the Smart-TSR.

Smart-TSR is wireless and powered by a rechargeable battery. This ensures quick and easy loading and unloading of specimens and safe storage.

### ADVANTAGES

- ▶ Meets **AASHTO T283**, **ASTM D6931** and **D4867**
- ▶ 100 Hz data collection rate
- ▶ Upgrades your current analog load frame to an advanced digital loading frame\*
- ▶ Displays exact peak load, reducing potential of operator error
- ▶ Eliminates the need for plotters and plotter pens
- ▶ Provides digital record for printing, storage or email

*\*Please call InstronTek for Smart-TSR compatible load frames.  
Also available for SCB & IDEAL test methods.*



Patent Pending

# Smart-TSR™



Bluetooth technology for immediate digital display and record keeping.

### SPECIFICATIONS

POWER SUPPLY	Rechargeable NiMH batteries
CHARGER	110/220V
DATA COLLECTION RATE	100 Hz (data points/second)
DATA FORMAT	PDF and CSV
BREAKING HEAD CONFIGURATIONS	100mm and 150mm