

Operation of MIT SCAN T2 Device –

Locating Reinforcement Bars and Dowel Bar Baskets

1. Assemble the device by connecting the two parts together. Do not force the connection. Be sure the device is fully charged.



2. To turn on the device, press both the top and bottom buttons on the handle and release.



3. The Main Menu will appear on the LCD panel. Main menu consists of:



- A - Search/Measurement
- B - Location Settings
- C - System
- D - Data Management
- E - Off
- F - Device Settings

4. To locate reinforcement bars or dowel bar baskets, select A – Search/Measurement.



5. Press and hold the bottom button on the handle while moving the device over the targeted area.



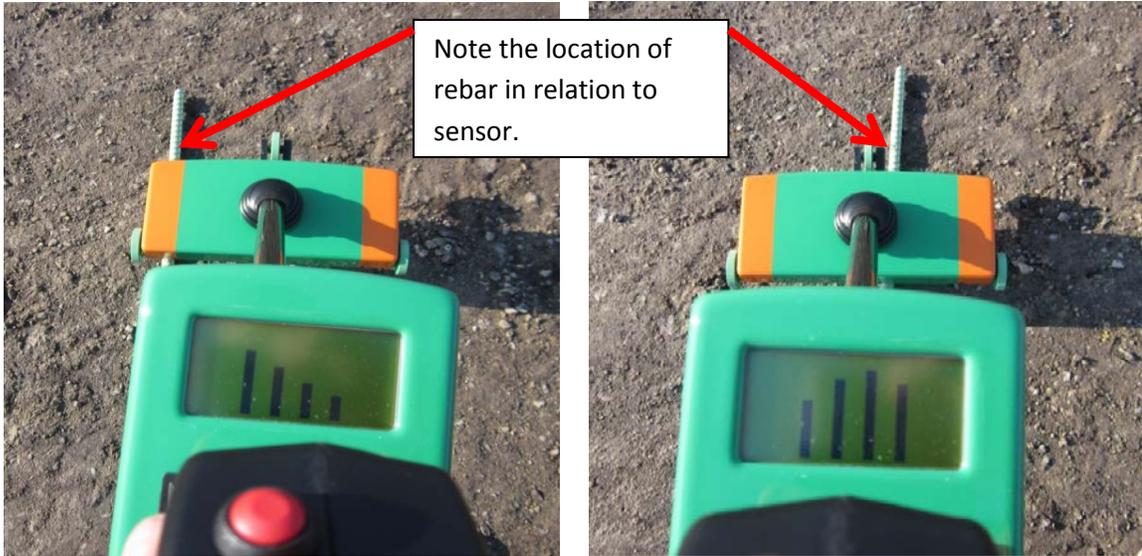
- To locate the reinforcement bars or dowel bar basket immediately after the paver or when the concrete is in plastic form, hover the device over the concrete. The wheels of the device do not need to touch the concrete for this function to work.



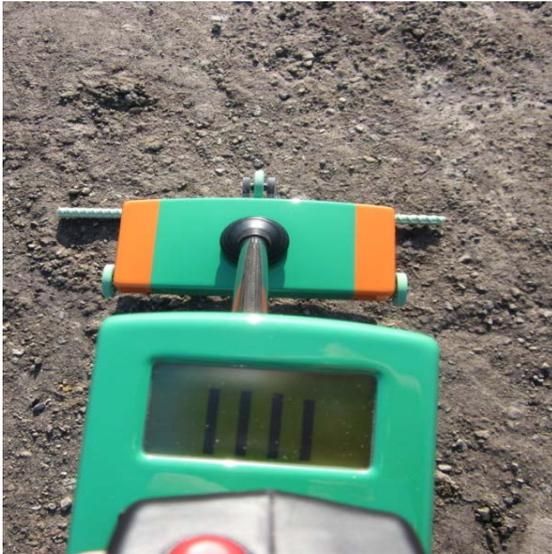
- To locate the reinforcement bars or dowel bar basket when the concrete is in hardened form, either hover or roll the device over the concrete.



8. If the sensor head approaches reinforcement bar or dowel bar basket from the side, one bar will appear higher than the rest. The four bars shown on the LCD panel represent four sensors evenly spaced on the bottom of the device (sensor head).



9. If the sensor head approaches the reinforcement bar or dowel bar basket straight on, all four bars will appear highest and equal.



10. For questions or further information, please contact:

Robert Golish
Assistant Concrete Engineer
MnDOT Office of Materials and Road Research
1400 Gervais Avenue
Maplewood, MN 55109
Office: 651-366-5576
Cell: 651-216-0516
Email: robert.golish@state.mn.us