

Advanced Pavement Quality Indicator (PQI™), Phases 1 – 8 (NYSERDA 4354-ERTER-TR-96) – TransTech developed a non-nuclear, electrical impedance-based device for determining the relative density of Hot Mix Asphalt pavements. This innovative technology utilizes a constant voltage, radio frequency, electrical impedance approach taking advantage of a novel toroidal electrical sensing field that is established in the material being tested. The importance of this innovation is that the PQI™ is able to make virtually instantaneous, in-situ measurements of pavement density, allowing for necessary changes in the rolling pattern to be made immediately, as well as making it possible to take many more readings per hour on the job site, both of which help ensure the best possible pavement quality. The speed of measurement and ease of use also make it an ideal researcher's tool. This highly successful product has sold over 600 units worldwide and is gaining in popularity every day!