

Qi Foreign Objects for Debug, Verification, and Testing of Qi Transmitters and Receivers



The Qi Foreign Objects are WPC defined metal objects that can be placed between Qi wireless transmitters and receivers and used to evaluate the FOD operation and performance.

For pricing/ordering information please see:

[www.avid-tech.com/
wireless-power-products](http://www.avid-tech.com/wireless-power-products)

Send technical inquiries to:
wirelesspower@avid-tech.com

Specifications
Subject to Change

APPLICATION

Product developers looking to quickly characterize and test wireless power transmitter and receiver foreign object detection (FOD) performance. WPC specified foreign objects with attached thermocouples are used to monitor temperature rise at the interface surface per WPC requirements. These objects are useful for design debugging, characterization/tuning, and Qi pre-compliance testing.

FEATURES

- Set of four foreign objects specified by WPC V1.1
 - Steel disc centered
 - Aluminum ring centered
 - Aluminum foil centered
 - Steel disc offset
- Objects are mounted in PEEK high temp plastic frames
- Objects include K-type thermocouples and connectors
- 2.0mm and 5.0mm spacers included for Qi pre-compliance testing
- Alignment fixture included for center aligning TPR#5 coil holder and AVID's FOD Receiver coil holder

TEST MODES

- Can be used to run WPC thermal compliance tests for FOD
- Can be used to help characterize and adjust FOD detection algorithms and thresholds for V1.1 and newer transmitters