

# SOLUTIONS FOR ISO 11451-5, ANNEX G



**COMMITTED TO A SMARTER,  
MORE CONNECTED FUTURE**

**ETS-LINDGREN®**  
An ESCO Technologies Company

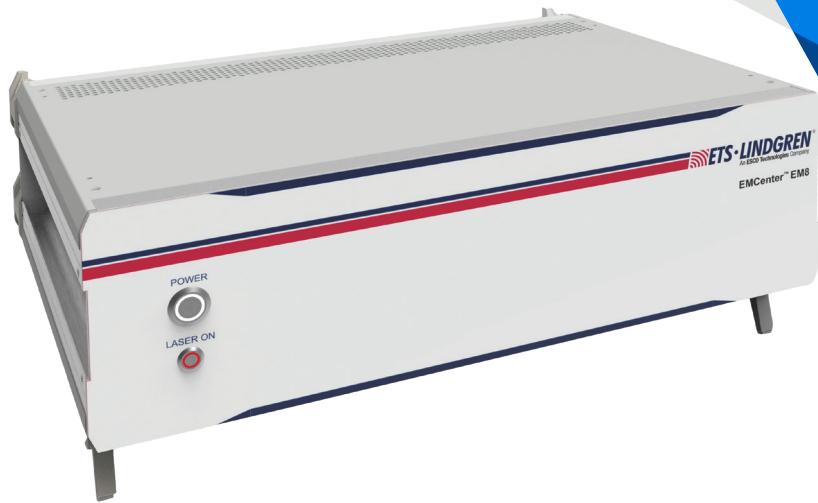
# ETS-LINDGREN IS AN EXPERIENCED PARTNER YOU CAN TRUST

## THE LEADER IN AUTOMOTIVE TEST AND MEASUREMENT CHAMBERS, COMPONENTS, SOFTWARE, AND SERVICES

Technology is constantly evolving in our homes and industry with increasingly sophisticated personal electronics, mobile devices, and automobiles. Similarly, ETS-Lindgren is continuously innovating to assist industry leaders in developing and delivering the next generation of products to market.

Our latest innovation in EMC testing is a fully functional, high speed measurement solution for ISO 11451-5, Annex G. When used together, the EMCenter™ EM8 and EMSense™ 10 probes allow users to collect simultaneous, accurate data from eight probes at high speeds, enabling industry leaders to deliver the next generation of automotive products to market — faster.





## ISO 11451-5, ANNEX G SOLUTIONS PACKAGE

The ISO 11451-5 test solution, comprised of an EMCenter EM8 and EMSense 10 probes, allows user to perform immunity testing on commercial and passenger vehicles in a reverb chamber at high speeds, significantly reducing the time required for testing. Users can test with confidence, knowing that their testing can be performed quickly and produce accurate data.

### EMCenter EM8 Monitor

The EMCenter EM8 Modular Test System forms the heart of many different EMC and RF test systems. The EMCenter has the ability to store up to eight (8) instrument plug-in cards, which can all be controlled and used simultaneously. The 1 Gbit LAN interface, providing some of the fastest acquisition in the industry, makes the EMCenter EM8 the ideal hardware platform for applications requiring multiple channels and fast measurements, like Automotive mode-stir (reverberation chamber) testing or switching applications.

### EMSense 10 Probes

ETS-Lindgren's laser-powered EMSense 10 Electric Field Probe (Model 7007-201) embodies the latest innovations in isotropic sensor design, low noise and miniaturized electronics. Designed to be single range reading, the EMSense 10 can read data continuously over the entire dynamic range. Data values for each axis (X, Y, and Z) can be read individually or summed. Fiber optic signal and power lines link the RF field probe to either the EMCenter 2/7 Slot, or as a direct connect to a PC USB port with the EMCenter 1-Slot.

The EMCenter 2 and 7 Slot Modular RF Platform along with the EMSense 10 interface card can be used as a Field Monitor in addition to its capability as a system level platform. The EMCenter 1-Slot with the EMSense 10 interface card provide laser power and communications for the EMSense 10 Field Probe. A USB connection to the PC allows for quick and easy data collection, using Laser Probes software.

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