ASSOCIATED RESEARCH
AN IKONIX BRAND

What is EN 50191?

EN 50191 is the test standard for the safe operation of electrical test equipment in the workplace. It is considered to be the most commonly referenced standard for electrical safety testing environments to ensure products are designed so they pose no electrical hazards to operators. The requirements of EN50191 provide manufactures with specific guidelines, which at times can become somewhat challenging to comply with.

CHALLENGE

Ensuring a **safe** and **compliant** work environment is important to you, however, you aren't certain which **electrical safety testers** are **compliant with EN 50191.**

If your compliance instrument is NOT exempt from the EN 50191 standard, you're required to build-in additional equipment and safeguards to protect test operators. This adds unnecessary cost and complexity to a testing workstation.

SOLUTION

PUT SAFETY ON YOUR TEST BENCH

Associated Research Hipot testers come standard with SmartGFI, a ground fault interrupt circuit designed to stop the high voltage output when the current exceeds 0.5mA. SmartGFI protects test operators from the dangers of high voltage. Select Hipot test instruments take safety a step further by limiting the output current to 3 mA AC (an optional current limit feature). If the DUT is grounded (which will disable the SmartGFI), the 3 mA current limit option will reduce the output current to 3mA. TUV testing of these instruments proves that when connecting to a 2KΩ resistor the output current was measured to be around 0.01mA. This makes these instruments exempt from the requirements of EN50191, as per clause 1.2 b).

Associated Research instruments EXEMPT from EN 50191:

Series	Model
OMNIA® II	8204, 8206, 8207
HypotULTRA®	7804, 7820, 7850
Hypot®	3805, 3855, 3865, 3870

For more information on this topic please email us at applications@ikonixusa.com