

CUSTOMER REFERENCE

SENIS
magnetic & current measurement

SENIS AG, Switzerland develops, manufactures and supplies advanced sensors and instruments for magnetic field and electric current measurement as well as the corresponding development and engineering services. Our solutions and services help our clients in the automotive, consumer electronics, test and measurement industries, as well as to research institutes to create powerful, robust and effective products.

Electrical machines, such as generators, may develop during its manufacturing process or during the operation a current leakage path in their insulation system, which might result in a short circuit. This could lead to machine damage.

SENIS® Insulation Defect Locator IDL02 utilizes two high-sensitivity clamp-on micro-ammeters to measure and track the direct current down to 1uA, passing through a fault in the insulation system and to determine the position of a leakage current path to the ground.

The system has been designed for use in large hydro generator stator windings, but it's not limited to this purpose only.

The IDL02 system is controlled by the Lab VIEW software. This software acquires the current output signals from the two Dual Clamp-On Heads – **SENIS® MicroAmmeters**.

www.senis.ch



The **USBR**, Bureau of Reclamation (www.usbr.gov) is best known for the dams, powerplants, and canals it constructed in the 17 USA western states. Today, USBR are the largest wholesaler of water in the USA.

The **SENIS Insulation Defect Locator** used by USBR utilizes two high sensitivity clamp-on microammeters to indirectly measure and track direct current passing through a defect or fault in the insulation system and to determine the position of a leakage current path to ground.