

SCAL for WindowsTM **SENSOR CALIBRATION PROGRAM (P/N 189-31G)**

TEGAM The TEGAM Model 189-31G, provides a software tool to automate the calibration of sensors used with the family of Giga-tronics power meters and sensors listed in the table below. The IEEE-488 bus is used to communicate with Giga-tronics power means in order to download, upload and verify the sensor head calibration constants. Calibratic constants are read from an ASCII disk file created by TEGAM Sensor Calibration (CAL) software. The software tool operates **inder** Windows **index** or Windows 95/98. In Adition, a National Instruments IEEE-48 driver and harware interface card must // installed on the couputer used for the calibation.

CONFIGUR TION: The softwar default IFZE-488 address 🚹 for the 📉 7er meter, and that sensor head is the so or to be calorated. The soft also defaults to two ronics Power Meter can be saved as an ASCII (2) decimal digits to the right of the decimal plint, when company and verify consants.

Digit Regulation. The software has the to operate with a different number of digits to the right of the decimal point. This feature is provided for power meters that may be ad ded to the software in the uture.

THE RY OF OPERATION: Ne software reads cal oration constant created of SCAL, and cored in an ASCI Ale with an ASC" file extension. The file is created in SCAL v saving the **linear** calib. Jon data using the Expert to ASCII file wility.

loaded and conver#d Once a file has be , the call ation call ants can be sent [downloaded] the Gigo ronics power meter. libration constants will be transmitted to the power rear via to GPIB bus flong with a I to sto the constant in the selected ser or non-verme memory.

desired data download verification can be performed when both see "File Data Buffer" and the **"Nasor Data Baffer"** are loaded.

Calibration factors uploaded from the Gigafile. This **w**al allow the operator to read and store calibration data from many sensors. "Save" will disply a dialog box, which allows a filename to be associated with the data as well as a drive and drive folder.

Meter	Sensors that can be programmed with the meter
8541, 8542	All Giga-tronics 300 Series Sensors
8541B, 8542B	All Giga-tronics 300 and 480 Series Sensors
8541C, 8542C	All Giga-tronics 300, 400 and 600 Series Sensors
8651, 8652	All Giga-tronics 300, 400 and 600 Series Sensors