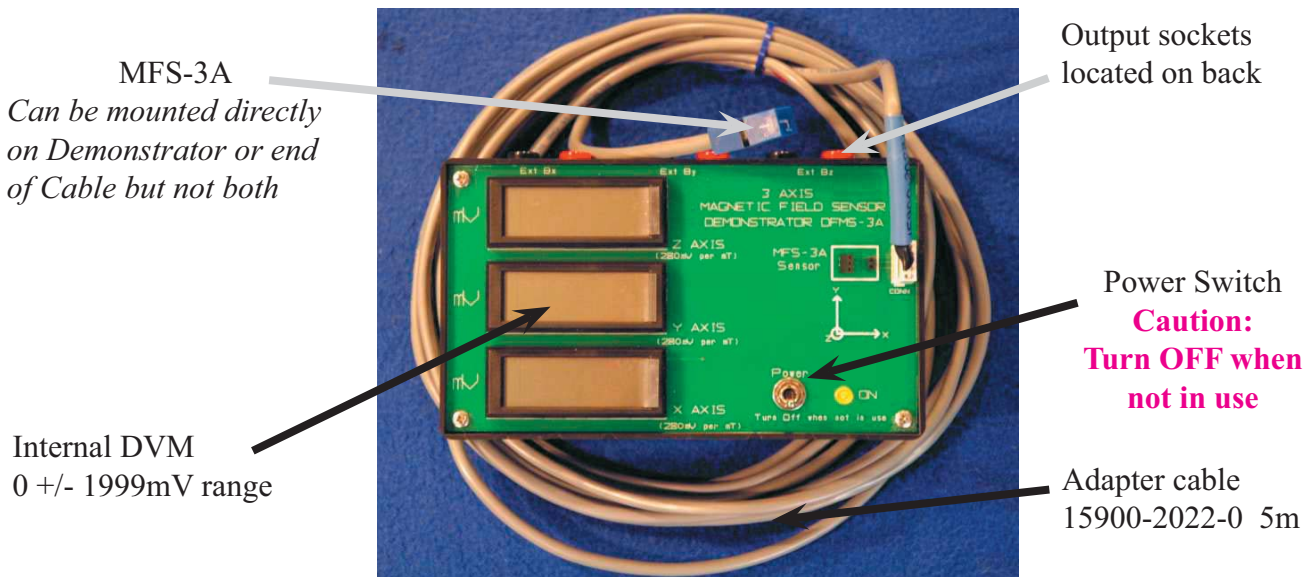


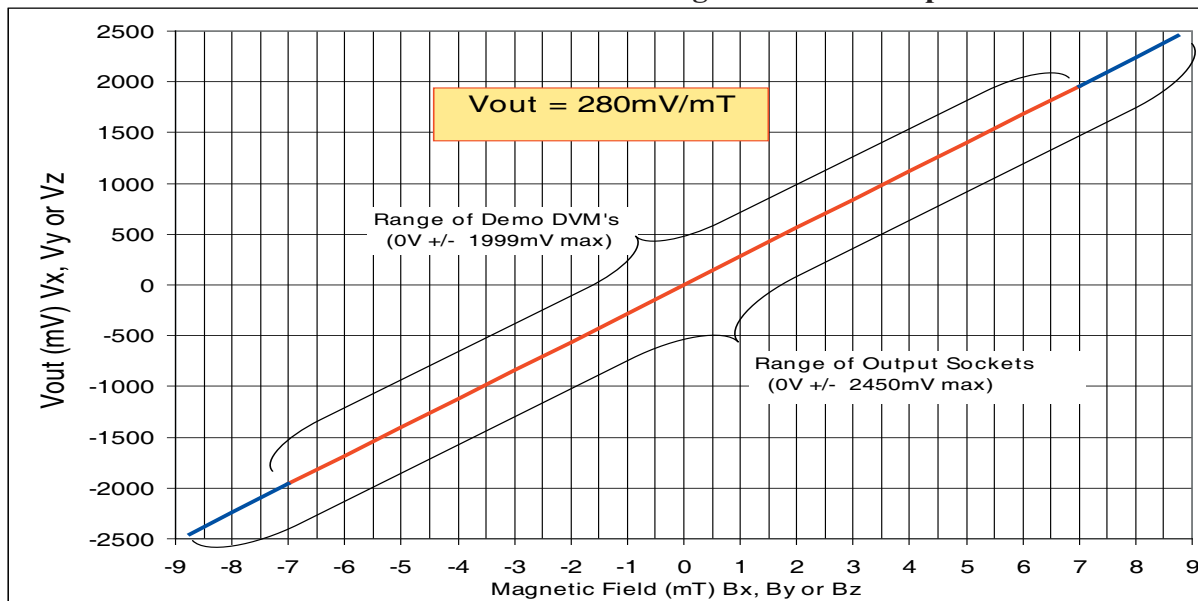
# Ametes 3 Axis Magnetic Field Demonstrator, DMFS-3A

**General Description.** The DMFS-3A Demonstrator is a self contained instrument used to demonstrate and monitor the output voltages from the Ametes MFS-3A 3-axis Magnetic Field Sensor. It is powered by two 9V batteries and includes three DVM, one for each of the three axes, Bx, By, and Bz. There are three sets of banana sockets on the rear of the DMFS-3A that can be used to connect external meters/instruments. For improved accuracy, external DVMs should be considered. Below is the output curve for the DMFS-3A and the MFS-3A. Note the transfer curve sensitivity is 280mV/mT. The DMFS-3A internal DVM are limited to a 0 ±1999mV range. The MFS-3A Sensor can be plugged directly into the socket on the Demonstrator or into the end of a 5m Extension Cable.

**Maintenance:** To change the batteries, remove the four screws from the front panel. The batteries are located under the foam insert. Replace with 9V (EN22, 6LR61 format) batteries.



**DMFS with MFS-3A: Vout vs Magnetic Field Component**



Revision Date: 14 Aug, 2007 DMFS-3A