

## **APPARATUS FOR A MAGNETIC FIELD DETECTOR HOLDING ASSEMBLY FOR A PTF MEASUREMENT STAND**

### **ABSTRACT**

The present invention relates to an apparatus for a magnetic field detector holding assembly for manually-operated or automated pass-through flux (PTF) measurement stands for measuring sputter targets. The magnetic field detector holding assembly has an insert with a longitudinal opening, where the opening of the insert allows a magnetic field detector to be located. At least one fastener passes through at least one opening in the magnetic field detector holding apparatus, where the fastener is adapted to be adjusted to mechanically couple with the insert so as to hold the insert at a predetermined location within the magnetic field holding assembly. The insert prevents the magnetic field detector from being damaged by over-tightening of the fasteners, and also prevents scratching of the surface of a sputter target to be tested. The magnetic field detector holding assembly can be used by manually operated mechanical PTF stands or automated PTF stands.

Figure 3A