Upgrade of the Insertion Device Magnetic Measurement Facility at Sincrotrone Trieste, R. BRACCO, B. DIVIACCO, D. MILLO and R.P. WALKER, D. ZANGRANDO, Sincrotrone Trieste - The performance of a new 5.5 m 3-axis insertion device measuring bench is presented, including the specified and measured mechanical accuracy as well as the reproducibility and accuracy of field measurements using a Hall plate sensor. The performance of the new integrated flipping coil system with a 4.2 m wire length is also discussed and compared with that of a previous system. The experience with the new system for the measurement of an elliptical wiggler and an elliptical undulator is also discussed, including dynamic measurements of field integral variations using the flipping coil, and an evaluation of the influence of the planar Hall effect on the measurement accuracy in elliptical devices.