



Magnetic Measurements

Thermal Demagnetiser MMTD80A



Fully automated 80 sample Thermal Demagnetiser

Fully Automatic operation with simple programmable heat/soak/cool rates. No need to move hot samples or any samples over a hot furnace element. Battery back up retains programme. If mains power fails programme will continue once power is restored.

Fast cycle time. The new **MMTD80A** with full sample load will typically heat, hold for 20 minutes and cool to within 20^oC of room temperature in less than 80 minutes.

High precision temperature control. The new **MMTD80A** temperature controller is accurate to 1^oC with a resolution of 0.1^oC. The new controller is a programmable proportional controller (not ON/OFF).

Ultra low thermal gradients. Specially designed radiation shields control thermal gradients inside the oven. Typical maximum deviation over 80 sample region at 500^oC is 6^oC. For partial load of 40 samples it is only 4^oC. Variations in sample load and rock type will alter the thermal characteristics of the furnace.

3 year warranty. Precision made we confidently offer a 3 year warranty as standard.

Robust inconel sample holder and controlled atmosphere (gas and vacuum) as standard. Special sample holders can be made to suit your requirements.

Automatic degaussing 4 layer Mu-metal shields closed at ends with automatic degaussing and our special electronic activation to improve performance. Samples always in a field <10nT (typically <3nT) during heating and cooling.

High level of Safety. Thermal switch provide protection against mechanical or electronic failure.

Calibrated field solenoid for TRM's, ideal for palaeointensity (Thellier) experiments.

Constant current power supply, for TRM's available as optional extra (**MMTDCCPS**).

Vacuum pump, 2 stage vacuum pump and fittings available as optional extra (**MMTDVP**).

220/240 volt operation, The **MMTD80A** consumes 2.8 KVA

*Magnetic Measurements Ltd. 57 Long Lane, Aughton, Lancashire,
L39 5AS. U.K. Fax UK 01695421476 International +441695421476
<http://www.magnetic-measurements.com>*
