

Pulse Magnetiser Ferronato M2T-1

- ◆ Generates pulses to 2 Tesla.
- ◆ Well suited for IRM (Isothermal Remanent Magnetisation) studies on rock samples, in Paleomagnetism laboratories.
- ◆ Useful also in many applications in where a brief but strong magnetic field is needed.



Specifications

Pulse amplitude:	Adjustable, from 0.02 T to 2.00 T.
Pulse width:	4.5 ms \pm 5 % at its base (larger width); 2.8 ms \pm 5 % at half amplitude.
Reading precision:	Error of less than \pm 5 % + less significant digit, for pulse amplitude.
Repetibility:	Better than \pm 1 %, in pulse to pulse amplitude.
Display type:	Digital, 3 digits of 25.4 mm, 7 red LED segments.
Display ranges:	Two, automatic, in Tesla. Resolution (1) = 0.001 T from 0.02 to about 0.15 T. Resolution (2) = 0.01 T from 0.15 T to 2.00T.
Sample lodging capacity:	It is 36 mm in diameter. Holds standard rock samples (Diam. 25 x 22 mm cylinder) or smaller.
Field homogeneity:	Better than \pm 1% for a volume equivalent to a Diam. 25 x 22 mm standard sample.
Pulse to pulse time:	It is "Ready" in less than 15 seconds in between 2.00 T pulses. Less time for lower fields.
Power voltage:	230 V AC \pm 5%
Consumed power:	145 VA, maximum (charging). 100 VA while not triggered.
Enclosure:	Aluminium module for 19" rack (3U), mounted in a strong ABS plastic box.
Dimensions:	Width 528, length 430, height 187 mm, maximum.
Weight:	14 kg.
Warranty:	Two years.
Includes a sample holder for Diam. 25 x 22 mm standard samples, on any of its three axes. It is suitable also for smaller samples.	

These specifications are subject to change without prior notice.

[HMT2-i1-abr10.doc/Apr-10]