

# MI-PM

## PULSE-MAGNETISER



The new Pulse-Magnetiser from Mag-Instruments is an easy-to-use tabletop device capable of effectively magnetizing even highly coercive materials. Fully compatible with our comprehensive software connecting all our instruments in one system, it is a perfect addition to your laboratory environment.

### Key Features

- ✔ **Magnetic fields up to 2.9 Tesla for 3.7-cm cavity**
- ✔ **Fully digitised, high-precision field control**
- ✔ **Standalone or remote operation via PC connection**
- ✔ **Fully compatible with MI lab software**
- ✔ **Capacitor charge voltage indicator**
- ✔ **Customizable sample holders and coils for various sample sizes/geometries**
- ✔ **Continuous coil temperature monitoring**

### Specifications

Property	Value
Peak field	2.9 Tesla (ø2.5 cm sample OD)
Field controller resolution	12 bit
Sample handling	Manual (handler provided)
Power supply	110 or 230 V
Power consumption	450 W while charging
Charge time	< 10 s
Space requirements	43×18×45 cm
Mass	19 kg

### Operation

- ✔ **Standalone or remote-controlled**
  - LCD display, control knob, and start/stop buttons
  - USB interface for PC connection
  - Tabletop device
- ✔ **Fully customisable coils and sample holders**
  - Custom-designed coils can be provided for various sample dimensions
  - Custom-made sample holders ensure comfortable work with any type of specimen
- ✔ **Coil temperature monitoring**
  - Continuous coil temperature monitoring guarantees consistent magnetic pulses regardless of the coil
- ✔ **Active coil cooling during operation**

### Control Software

- ✔ **Full control over all instruments with just one Sofsoftware**
  - Operate all devices and perform all your measurements

### Application Examples

- ✔ **Palaeo- & Rock Magnetism**
- ✔ **Geosciences**
- ✔ **Environmental Sciences**
- ✔ **Material Sciences**