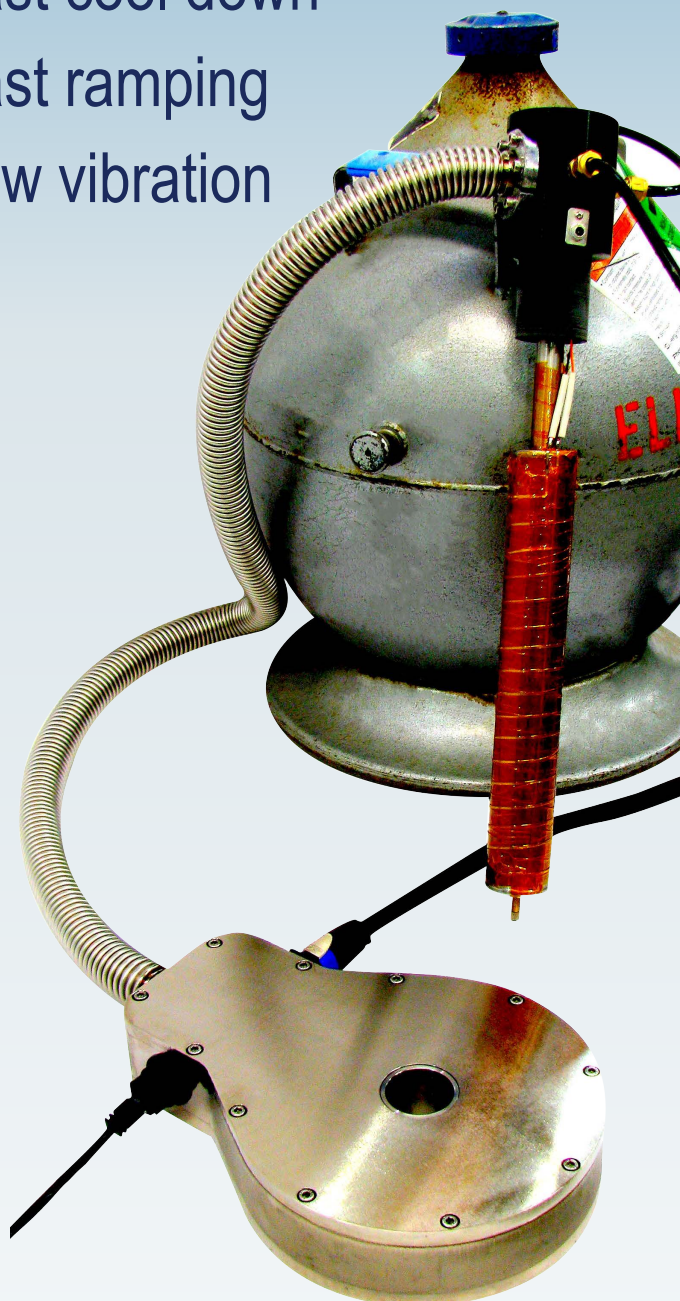


- 1 T solenoid magnet cooled by liquid nitrogen flow
- Low profile
- Low set-up costs
- Low operating costs
- Fast cool down
- Fast ramping
- Low vibration



APPLICATIONS

- MOKE (Magnetic-Optic Kerr Effect)
- Magnetic domain imaging
- Brillouin light scattering
- Magnetic circular dichroism
- Hysteresis loop plotting
- Scanning laser microscopy
- Hall effect measurements
- Variable temperature optical cryostat

PERFORMANCE & VERSATILITY

- Fast cool-down <5h
- Rapid ramping
- Operates in any orientation
- Very low vibration
- Available 38 mm and 80 mm bores
- Low profile, excellent sample access
- Can be designed to accept third-party variable temperature sample probe

OPTIONAL POLES

- Customisable range of user-changeable poles for specialist applications, with the option of adjustable pole gaps

EASY TO USE

- Operates from unpressurised liquid nitrogen (LN2) dewar
- Monitoring electronics ensure magnet safety
- Liquid nitrogen consumption <0.5 lph

EASY TO SITE

- Very compact low-profile magnet
- Flexible metal bellows hose connecting magnet and LN2 dewar
- Low fringe without active shielding

STANDARD SYSTEM INCLUDES:

- Magnet sub-system with integrated heat exchanger
- Liquid nitrogen transfer hoses and vacuum pump for LN2 circulation
- Unipolar power supply
- Fast up/down field ramp
- Active magnet protection electronics linked to integrated temperature sensors

OPTIONS:

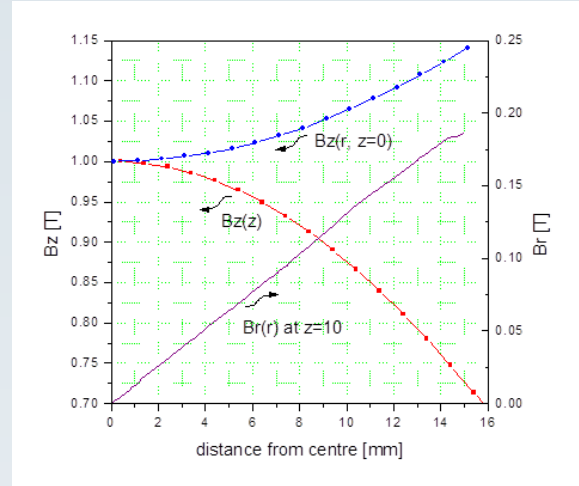
- LN2 dewar
- Closed loop field control
- Unipolar supplies available in standard and high stability configurations
- Bipolar power supply
- Extended warranty
- Service plan

SYSTEM REQUIREMENTS:

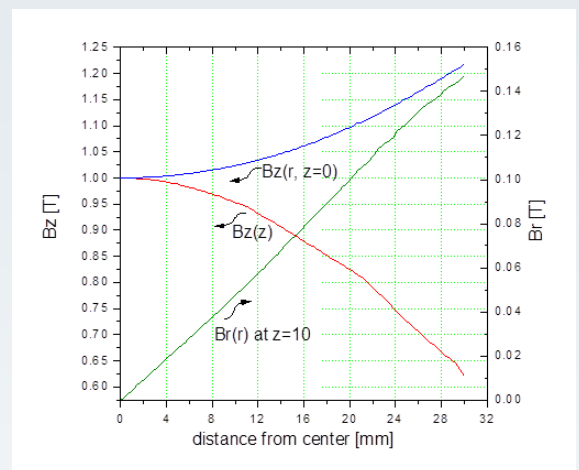
- Liquid nitrogen supply
- Single phase power for power supply

FIELD PROFILES:

LN40



LN80



Model	Bore size (mm)	Peak field (T)	Height (mm)	Cryostat OD (mm)	Max. operating current (A)	Magnet mass (kg)
LN40	38	1	57	208	65	<15
LN80	80	1	100	250	55	<35

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