

Spectrometer Dipole

EMD-01-100-1800



FEATURES SHOWN

- Fiducial mounts included
- Separable design
- 30° sector

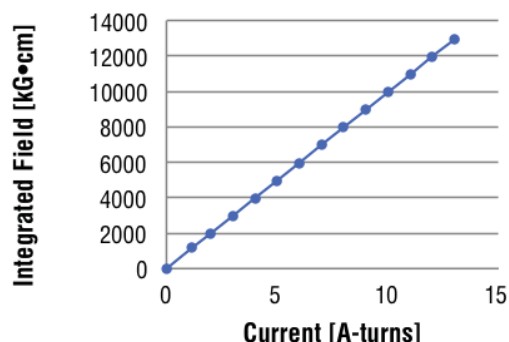
Integrated field254,000 G-cm
Bend angle30°
Field strength5000 G
Magnetic length51.2 cm at 135 MeV
Current.....6000 A-turns

Gap2.54 cm
Pole length (centerline)..46.5 cm
Maximum length70 cm
Height42 cm
Width62.9 cm
Weight.....90 kG

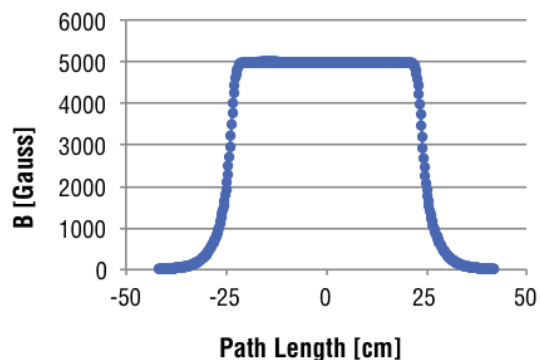
The EMD-01-100-1800 is a 30° spectrometer ideal for ~150 MeV electron beams. It has been designed for an XFEL injector test facility for the precision measurement of longitudinal phase space in conjunction with our S-Band TCAV. It features a 1 inch (25.4 mm) gap and a 254,000 G-cm integrated field.

Water-cooled coils are standard, but a forced-air cooled option is available.

MAGNETIZATION



FIELD vs. PATH LENGTH (I = 6000 Amp-turns)



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Other options are available upon request.
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purchasing information.