

Spectrometer Dipole

EMD-01-100-925



Integrated field35,100 G·cm
Bend angle90°
Field strength1040 G
Magnetic length33.7 cm at 6 MeV

Current.....13.1 A
Voltage.....2.3 V
Power.....30 W
Calibration.....2690 G·cm/A
Number of turns.....168

Gap2.54 cm
Pole length23.5 cm
Maximum length25.7 cm
Height26.4 cm
Width25.7 cm
Weight.....90 kg

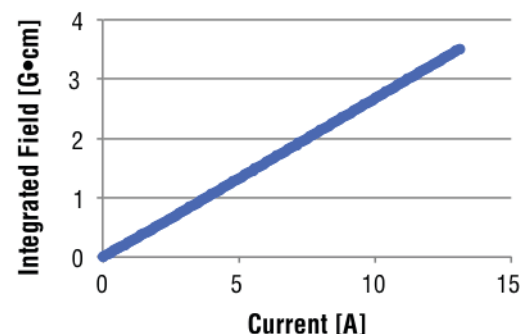
The EMD-01-100-925 is a 90° C-shaped spectrometer dipole idea for 4-7 MeV electron beams. It was originally designed for use as a spectrometer for an FEL photoinjector but is useful in various other applications.

It features a 1 inch (25.4 mm) gap and a 35,000 G·cm integrated field. Chambers are available as well.

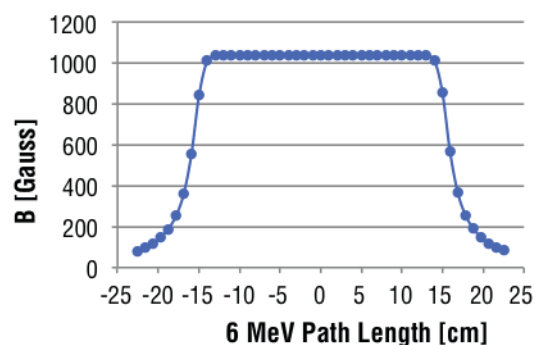
FEATURES

- Fiducial mounts included
- Separable design

MAGNETIZATION



FIELD VS. PATH LENGTH (I = 13.1 A)



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