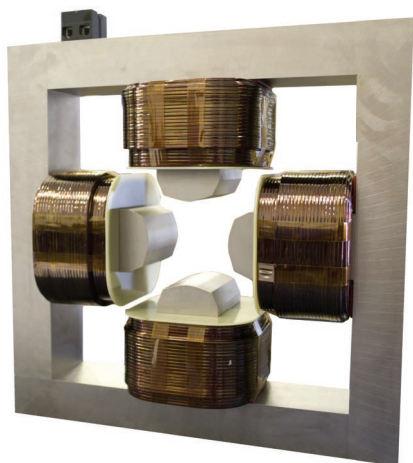


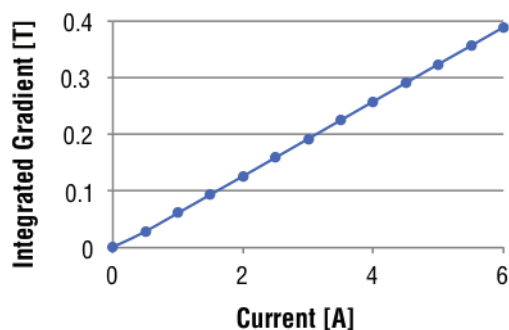
# Quadrupole

EMQD-01-256-245

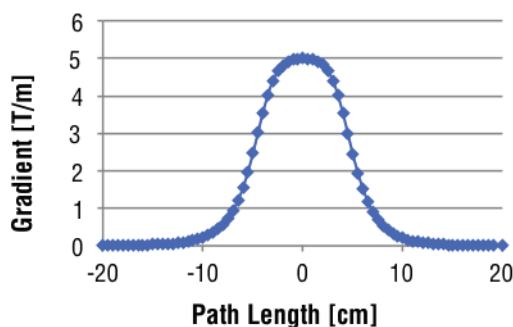


The EMQD-01-256-245 is a diamond quadrupole of pure simplicity that features excellent linearity over a wide current range. Optimized transverse pole chambers ensure a large good field radius.

## MAGNETIZATION



## LONGITUDINAL PROFILE (I = 7.3 A)



Integrated gradient .....	0.48 T
Gradient .....	5.0 T/m
Magnetic length .....	9.66 cm
Current .....	7.31 A
Voltage .....	13.72 V
Power .....	100 W
Calibration .....	0.065 T/A
Number of turns per coil .....	246
Bore .....	6.5 cm
Yoke length .....	6.2 cm
Pole length .....	7.5 cm
Maximum length .....	13 cm
Transverse size .....	46.2 cm
Weight .....	55 kg



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