

GMW Associates

Electromagnet Fringe Field Plot

Date: 8/3/2018 Page: 1 of 4
Engr: Y.Qin

Model: 5403 Power Supply: Kepco 20V/20A x2 Set Current: 0A
PS Serial No:

Field Meter 1: Bartington Mag-03MC/1000 sn:2700, read from NI DAQ

Field Meter 2: MetroLAB THM1176HF (in-house unit)

Note 1: Pole face=38mm, gap=24.3mm

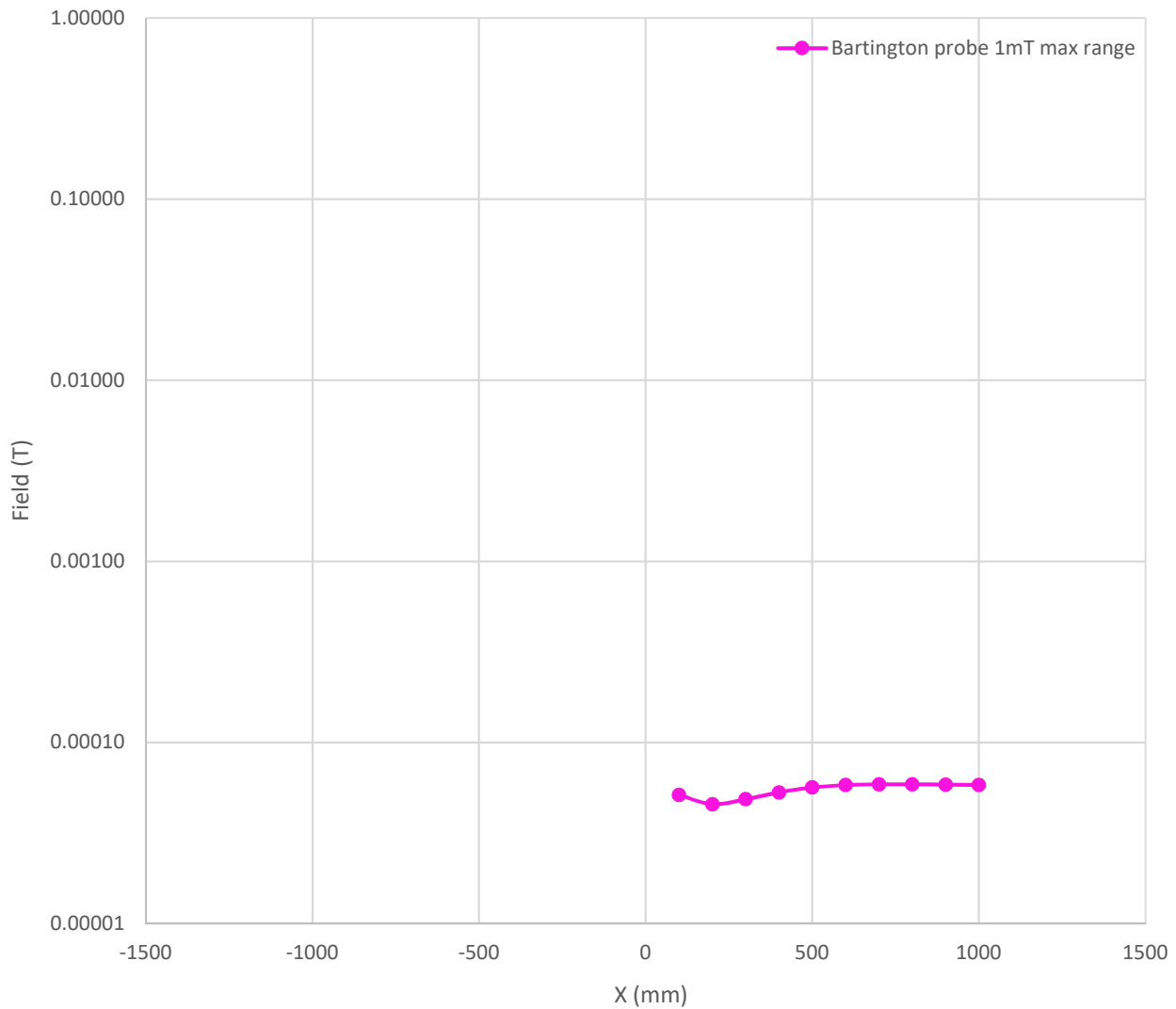
Note 2: X=Y=Z=0mm is the center of the magnet gap

Note 3: X is horizontal along pole gap, +X towards current cable/water connection side.

Note 4: Z is along pole axis

Note 5: Y is vertical up

Note 5: Measured at 0A. Power supply is off



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Electromagnet Fringe Field Plot

Date: 8/3/2018 Page: 2 of 4
Engr: Y.Qin

Model: 5403 Power Supply: Kepco 20V/20A x2 Set Current: 40A
PS Serial No:

Field Meter 1: Bartington Mag-03MC/1000 sn:2700, read from NI DAQ

Field Meter 2: MetroLAB THM1176HF (in-house unit)

Note 1: Pole face=38mm, gap=24.3mm

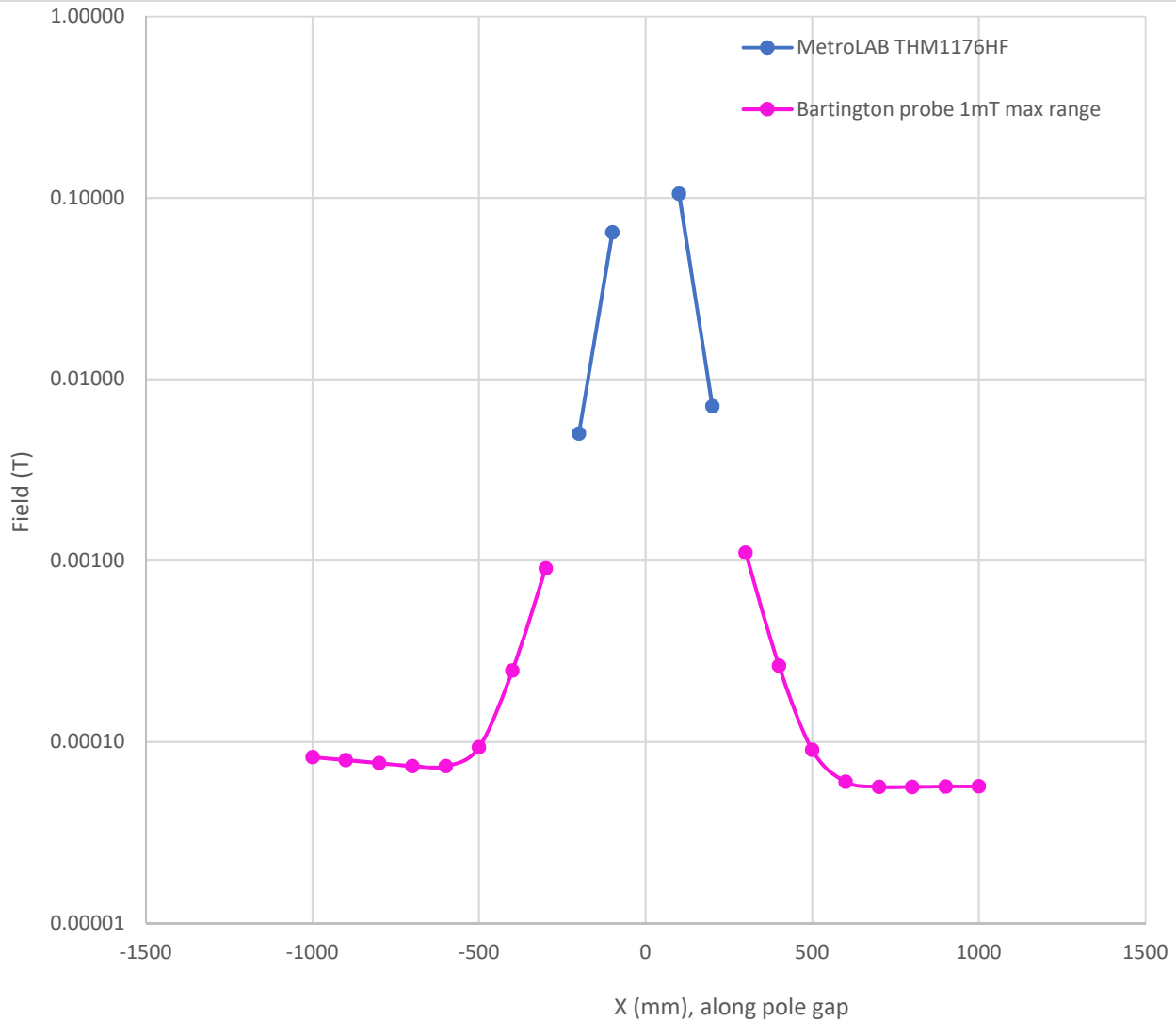
Note 2: X=Y=Z=0mm is the center of the magnet gap

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Note 4: Z is along pole axis

Note 5: Y is vertical up

Note 5: Measured at 40A



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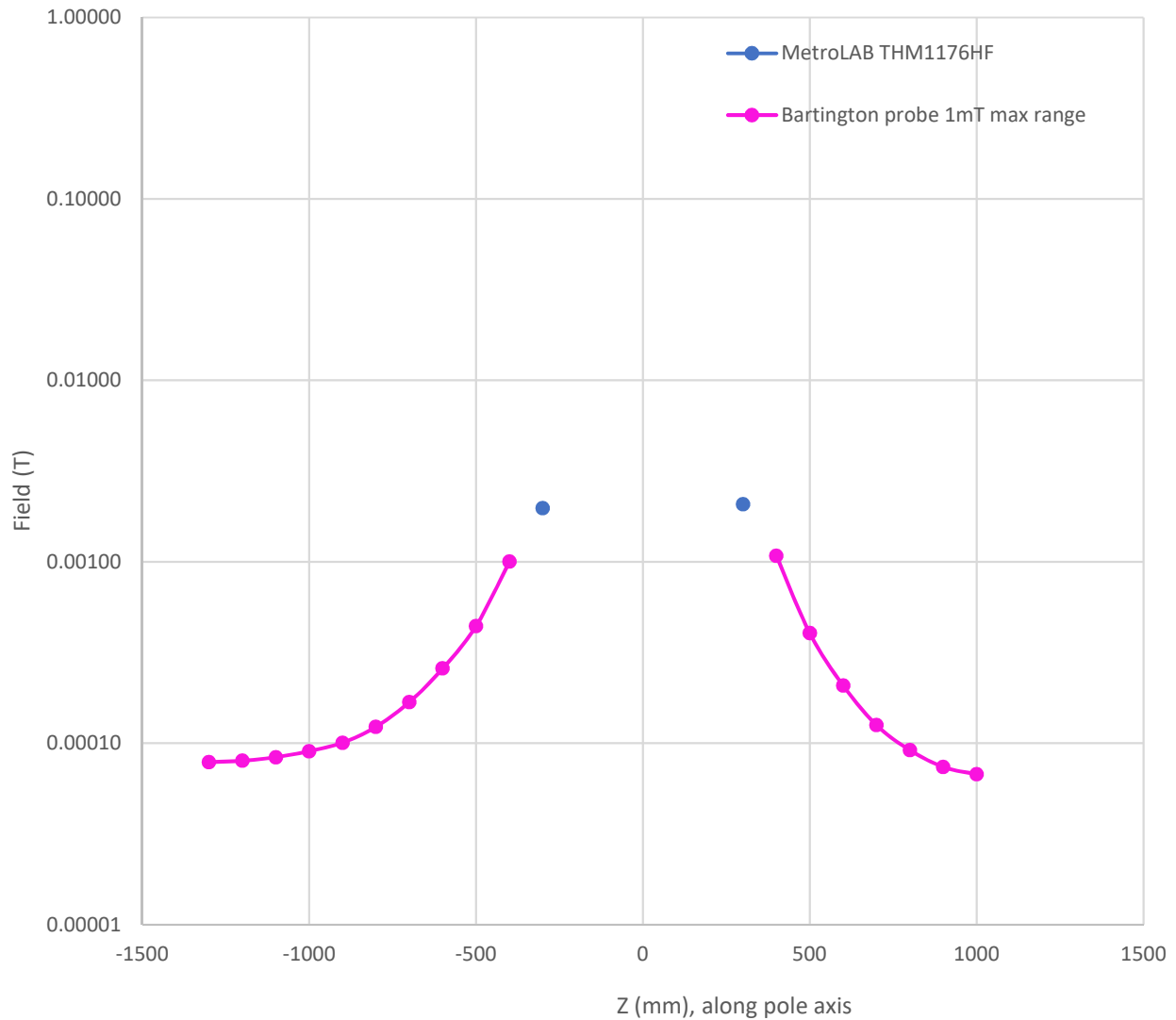
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Note 5: Measured at 40A



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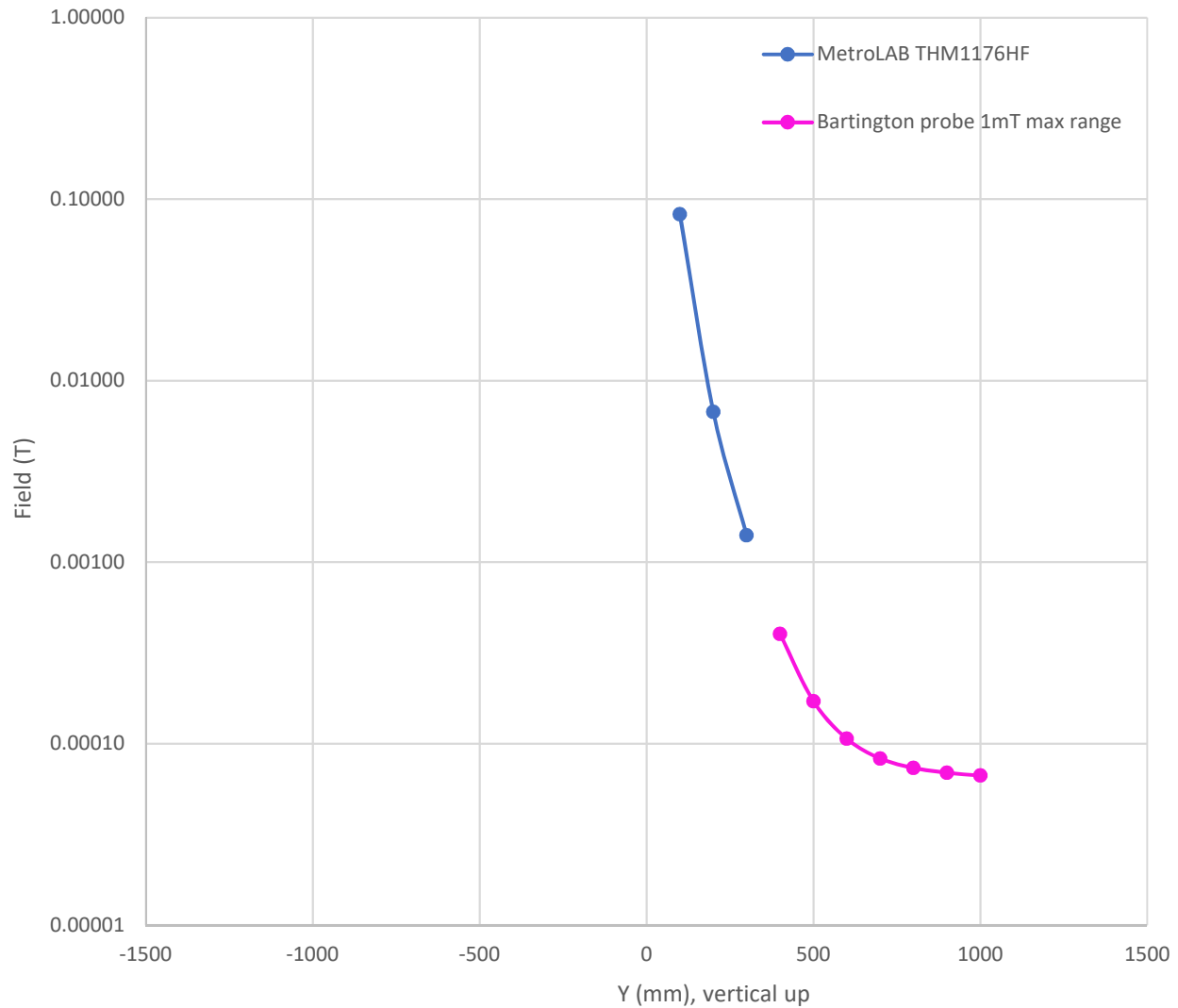
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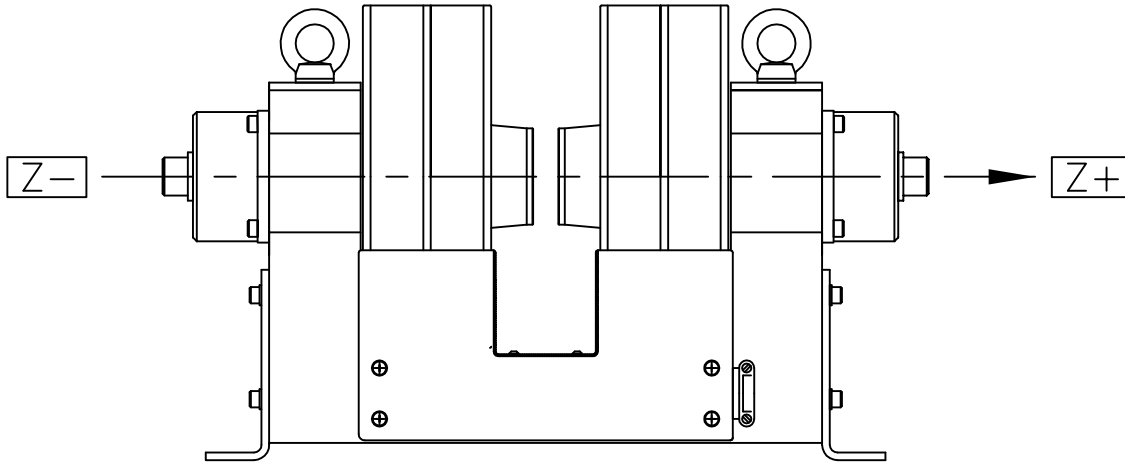
Note 4: Z is along pole axis

Note 5: Y is vertical up

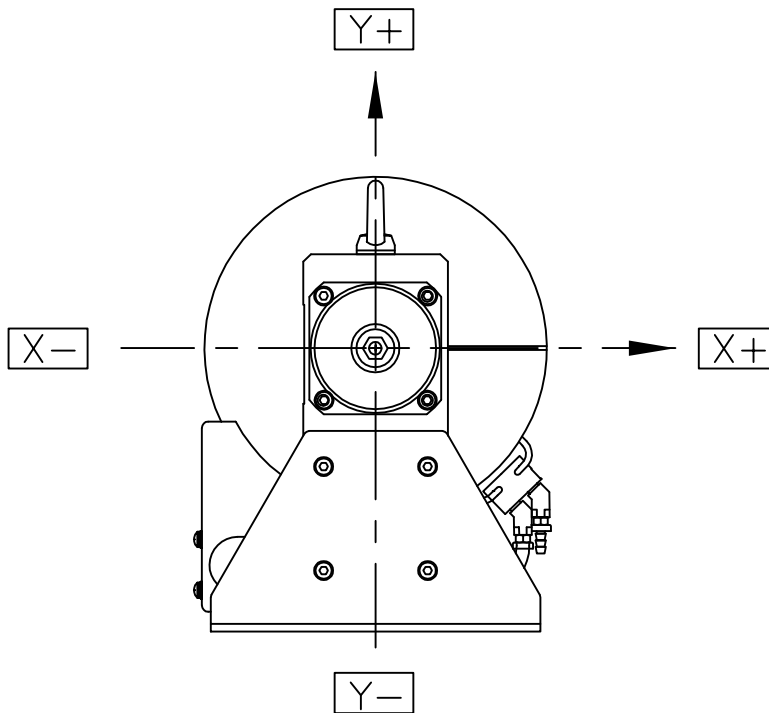
Note 5: Measured at 40A



FRONT VIEW



SIDE VIEW



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MAGNETIC PLOTTING AXES

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