

IB Curve

| $0.01A$ $I [A]$ | $B [mT]$ $I [mT]$ | <u>Least count</u> |
|-----------------|-------------------|--------------------|
| 0 | 8 | $B \equiv I mT$ |
| 0.40 | 30 | $I \equiv 0.01A$ |
| 0.98 | 64 | |
| 1.67 | 105 | |
| 2.28 | 143 | |
| 3.22 | 200 | |
| 3.93 | 245 | |
| 4.54 | 283 | |
| 5.14 | 320 | |
| 5.48 | 342 | |
| 6.40 | 398 | |
| 6.92 | 428 | |
| 7.38 | 455 | |
| 7.86 | 489 | |
| 8.29 | 509 | |
| 9.16 | 556 | |

Main scale, Secondary scale

1mm.

2 rotation = 1mm, 1 rotation: 100 divisions.

Scale readings

I

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

7.15

12,80 13,34 0,22 ! 0,94 2,96 3,80 6,80 7,88 ! 8,30 9,40 12,52

13,46 ! 0,10 0,78 2,82 3,40

10.13

14,54 ! 0,26 1,88 2,72 4,66 5,78 8,36 9,80 !

1,42 9,80 10,52 11,84 12,96 13,80 14,60 !

1,34 2,08

Centered value measured to reproduce data if needed.

6.05

0,50 0,90 2,90 3,50 4,78 5,54 8,58 9,60

17,80 26,60 27,64 30,32 31,06 33,26 33,82

35,78 36,36

7.06

0,06 0,68 2,50 3,20 5,38 6,08 8,98

10,14 27,04 28,32 30,80 31,60 33,74

18,60 34,48 36,38 36,92 38,60 38,98

7.97

0,52 0,96 2,60 3,34 5,46 6,28 9,00

10,46 27,00 28,32 30,74 31,68 32,80

33,58 35,40 35,90

18,40

9.07 ✓

0,36 0,94 2,54 3,34 5,44 6,40 8,96 10,40

19,40 27,96 29,56 31,86 32,78 34,82 35,74 37,42

38,08

10.05

0,74 0,40 3,16 4,00 5,94 6,98 9,60 11,10

19,8 27,70 29,24 31,64 32,64 34,56

35,38 37,18 37,92

The results are available in Jupyter Notebook.