

# Reference Blocks

## Conductivity Operating Reference Standards

### Accuracy

The Hocking branded range of Operating Reference Blocks are derived, certified and traceable to national standards (NIST, USA and NPL, UK), conductivity references ideal for laboratory and field use. Up to five blocks can be clipped into a sample holder plate to bring them quickly into thermal equilibrium with each other and the test piece when the plate is placed upon it. The instrument can then be set for optimum accuracy using the dual setting block (PRN 47A023). All operating reference blocks are rigorously tested to meet high standards of accuracy and reliability. The blocks are calibrated to be accurate to  $\pm 1.2\%$  of the value or  $\pm 0.4\%$  IACS, whichever is less.



Reference block with 5 standards

All blocks are calibrated at 20°C, and at the industry standard 60kHz frequency. Blocks are supplied with calibration certificates, and a recalibration service is available.

### Conductivities

Table values are nominal. Precise values will be shown on the blocks.

%IACS	Msm-1	Material	PRN
9 & 58	5 & 34	Dual Setting Block	47A023
1	0.6	Ti 2TA7	47A011
2	1	Stainless Steel 303S	47A012
9	5	Nickel Silver LC1291	47A013
17	10	P/Bronze	47A014
24	14	Brass LM5681	47A015
28	16	AL 5083	47A016
34	20	AL 7075-TF	47A017
37	21	AL 2014A-T6	47A026
38	22	AL 2014A-T6	47A024
43	25	AL 6061-TF	47A018
47	27	AL 6082-TF	47A019
60	35	AL 1200-H4	47A020
89	52	CuCr/Zirc LC639	47A021
100	58	Cu	47A022
N/A	N/A	Sample Holder 5+1	47A010
N/A	N/A	Sample Holder 3	47A025

