

## Data Sheet - Conductivity Reference Blocks

Product:

Application:

### Part Numbers:

|                         |                                                                                  |
|-------------------------|----------------------------------------------------------------------------------|
| <b>ATBC-COPPER</b>      | Accessory, Test Block, Conductivity, Copper, (99.9-102.5 %IACS)                  |
| <b>ATBC-ALU1200</b>     | Accessory, Test Block, Conductivity, Aluminium Alloy, 1200-H4, (57.2-62.0 %IACS) |
| <b>ATBC-ALU6082</b>     | Accessory, Test Block, Conductivity, Aluminium Alloy, 6082-T6 (45.1-49.0 %IACS)  |
| <b>ATBC-ALU6061</b>     | Accessory, Test Block, Conductivity, Aluminium Alloy, 6061-T6 (40.5-45.0 %IACS)  |
| <b>ATBC-ALU2014A-T6</b> | Accessory, Test Block, Conductivity, Aluminium Alloy, 2014A-T6 (37.0-40.3 %IACS) |
| <b>ATBC-ALU2014A-T4</b> | Accessory, Test Block, Conductivity, Aluminium Alloy, 2014A-T4 (34.7-36.9 %IACS) |
| <b>ATBC-ALU2024-T4</b>  | Accessory, Test Block, Conductivity, Aluminium Alloy, 2024-T4 (28.8-31.0 %IACS)  |
| <b>ATBC-ALU7075</b>     | Accessory, Test Block, Conductivity, Aluminium Alloy, 7075-T6 (30.0-34.1 %IACS)  |
| <b>ATBC-ALU5083</b>     | Accessory, Test Block, Conductivity, Aluminium Alloy, 5083 (26.6-30.0 %IACS)     |
| <b>ATBC-BRASS</b>       | Accessory, Test Block, Conductivity, Brass, CZ 121 (23.3-26.6 %IACS)             |
| <b>ATBC-PBRONZE</b>     | Accessory, Test Block, Conductivity, Phosphor Bronze (13.0-18.0 %IACS)           |
| <b>ATBC-NICSILVER</b>   | Accessory, Test Block, Conductivity, Nickel Silver, LC1291 (9.0-9.9 %IACS)       |
| <b>ATBC-STST3035</b>    | Accessory, Test Block, Conductivity, Stainless Steel, 303 S (2.1-2.5 %IACS)      |
| <b>ATBC-TITANIUM</b>    | Accessory, Test Block, Conductivity, Titanium, 6AL-4V (1.0-1.1 %IACS)            |

Blocks are calibrated at 20degC, at a frequency of 60kHz

The limits of permissible errors are  $\pm 1\%$ IACS of value for values of 35%IACS and lower,  $\pm 0.35\%$ IACS for measured values between 35%IACS and 62%IACS and  $\pm 1\%$ IACS for measured values 62%IACS and above.



### Specification:

The conductivity of each reference standard is determined for the central area of diameter 15mm of front face by comparison with similar material, the conductivity of which has been determined in terms of traceable electrical standards.

All supplied blocks are calibrated and that the certification of the equipment used for this purpose is traceable to the National Physics Laboratory (NPL) and the National Institute of Standards and Technology under NIST and calibrated in accordance to ASTM B193-02.

NOTE: Conductivity values vary, for current stock values please contact [sales@ethernde.com](mailto:sales@ethernde.com)

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