

>165.65546 67816.12287 577
>198.65546 65612.23-2829 9555
>198.65546 65612.23-2829 9555
>152.698016 68818.28-2399 92356
>198.643636 78617.73-2289 783 56
>124.634546 78672.23-7779 683 56
>458.11142 83417.73-2397 876 56
>145.523286 64486.22-2689 986 56
>140.77060 32814.07-7060 328 56

MODEL 9210B



Reference Series Standard Oil Resistors

- High Stability
- 10Ω to 100kΩ
- Operating Range 20°C to 30°C
- Custom Values Available
- May be used in Oil or Air
- Ultra Low Temperature Coefficient

MODEL INFORMATION

Through Years of technological experience developing the most accurate and stable resistance standards available, Measurements International has developed the model 9210B Reference Series of Precision Standard Resistors. The 9210B uses oil-filled resistive elements housed in a sealed enclosure. This design offers immunity to changes in barometric pressure and humidity.

These resistance standards are designed to be used in the MI 9400 temperature controlled oil or 9300A Air bath to achieve their specifications. However, for optimal performance as a primary set of resistors, it is recommended that the resistors be placed in the Measurements International's Model 9400 Oil bath. Connections to the 9210B are made at the top of the resistor. The resistors are compact in design and can easily meet the need of sitting 4 inches below the top of the oil.

Connections to the 9210B are made using Tellurium Copper binding posts.

Interconnecting cable may also be ordered with the 9210B Resistance Standards. The interconnecting wire comes in either two or four conductor configurations. The wire may be ordered in lengths with screens already attached or in 100-meter rolls. No. 18 gauge solid copper, silver-plated, screened Teflon cable is recommended.

Each 9210B comes with a calibration report including the assigned value and temperature coefficient data. The small rugged design allows commercial transport. Each resistor comes with its own carrying case.

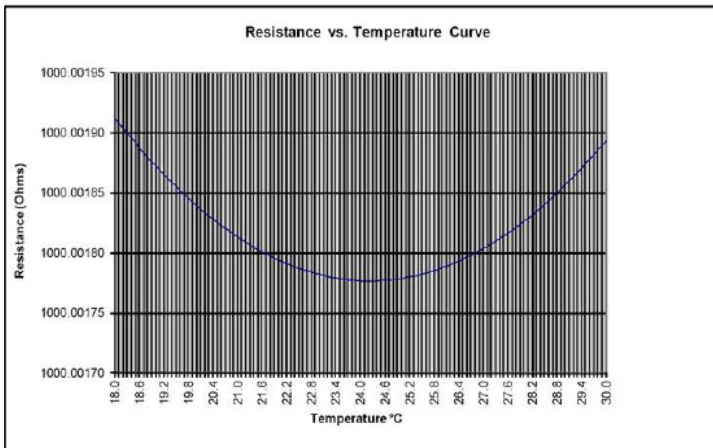
For values above 100k see our 9331 series' of resistors.

Specifications:

| Model | Nominal Value Ohms | Tolerance \pm ppm* | First Year Drift (ppm) | Stability 12 Month | Max Current (A) | TC at 25°C \pm 1°C (ppm/°C) | Maximum Voltage |
|-------------|--------------------|----------------------|------------------------|--------------------|-----------------|-------------------------------|-----------------|
| **9210B/0.1 | | | | | | | |
| **9210B/1 | | | | | | | |
| 9210B/10 | 10 | 2 | 2.5 | 1 | 0.1 | 0.1 | 1.0 |
| 9210B/25 | 25 | 2 | 2.5 | 1 | 0.063 | 0.1 | 1.58 |
| 9210B/100 | 100 | 2 | 2.5 | 1 | 0.031 | 0.1 | 3.16 |
| 9210B/1k | 1k | 2 | 2.5 | 1 | 0.01 | 0.1 | 10.00 |
| 9210B/10k | 10k | 2 | 2.5 | 1 | 0.003 | 0.1 | 31.62 |
| 9210B/100k | 100k | 2 | 2.5 | 1 | 0.001 | 0.1 | 100.0 |

* Tolerance - Defined as the potential variance from the nominal resistance value at the time of manufacture. Due to the natural aging process, it is recommended that the resistance value be monitored closely for the first year of ownership.

** See 9210A/0.1 and 9210A/1 Data Sheet for more information.



9400 Air Bath

Accessories:

Air Baths

- Model 9400 Standard Resistor Oil Bath
- Model 9300A Standard Resistor Air Bath
- Model 9300 Standard Resistor Air Bath
- Interconnecting Wire
- Dia 69mm x H 97mm Weight 1kg

MI-Japan
 〒573-1136
 大阪府枚方市宇山東町 6-1
 株式会社枚方牧野公園 207 号室
 TEL 072-396-4660
info@mijpn.com
www.mijpn.com

Form MI 66, Rev. 8, Dated 2012-03-28 (QAP19, App. "N")

Data Subject to Change - Rev. 1

Corporate Headquarters

Measurements International
 PO Box 2359, 118 Commerce Drive
 Prescott, Ontario, Canada K0E 1T0
 Phone: (613) 925-5934
 Fax: (613) 925-1195
 Email: sales@mintl.com

Toll Free: 1-800-324-4988

Worldwide Offices

MI-USA

Phone: (407) 706-0328
 Fax: (407) 706-0318
 Email: sales@mintl.com
 Toll Free: 1-866-684-6393

MI-China

Phone: 86-10-64459890
 Fax: 86-10-64459871
 Email: sales@mintl.com

MI-Europe

Phone: (420) 731-440-663
 Fax: (420) 572-572-358
 Email: sales@mintl.com



www.mintl.com