ADR Series

Alpha Electronics
A VPG Brand

Precision Programmable Resistance Box
RTD Simulator

FEATURES

- Controllable by PC with GB-IB and RS232C interfaces
- Compact design
- Utilizing ultra precision Bulk Metal® Foil resistor
- Quick response capable of setting desired resistance in as fast as 100 ms
- Accuracy ≤0.01% +2 mΩ in 6½ digit readings
- Temperature coefficient of resistance ≤5 ppm/°C (>100Ω)
- Double electrical shielding protection against noise
- Interface specification open to users
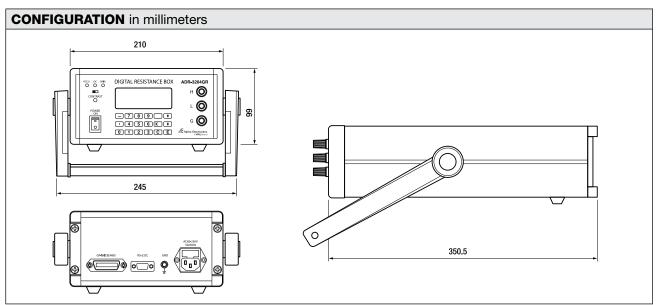
MASS

Approx. 5 kg (11 lbs)

DESCRIPTION

The ADR Digital box is easy to set to any desired resistance value using a PC. The ADR Digital box realizes automated inspection to minimize inspection time while avoiding human error. The ADR Digital is the most efficient product for simulating input resistance values, and panel keys allow local-mode resistance value input. The JIS C1604/IEC60751 Pt thermometer table is stored in memory to facilitate entry of specific temperatures for specific resistance values in the Pt standard table.

Utilizing ultra precision Bulk Metal® Foil technology with very low Resistance Temperature Characteristics and excellent long-term stability assures high accuracy and high stability.

CE

AVAILABLE PT STD OF TEMP INPUT

IEC60751	Pt100	Pt200	Pt300	Pt500	Pt1000

CONFIGURATION in millimeters

SPECIFICATIONS

Model	Min. Resistance Value	Max. Resistance Value	Resolution (Ω)	Accuracy	Max. Wattage
ADR-3204GR	5.000Ω	1.999999 kΩ	0.001	±(0.01% +2 mΩ)	0.5W
	2.00 kΩ	19.99999 kΩ	0.01		
	20.0 kΩ	199.9999 kΩ	0.1		

For any questions, contact
sales-alpha@alpha-elec.co.jp

Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "VPG"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

The product specifications do not expand or otherwise modify VPG's terms and conditions of purchase, including but not limited to, the warranty expressed therein.

VPG makes no warranty, representation or guarantee other than as set forth in the terms and conditions of purchase. **To the maximum extent permitted by applicable law, VPG disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.**

Information provided in datasheets and/or specifications may vary from actual results in different applications and performance may vary over time. Statements regarding the suitability of products for certain types of applications are based on VPG's knowledge of typical requirements that are often placed on VPG products. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. You should ensure you have the current version of the relevant information by contacting VPG prior to performing installation or use of the product, such as on our website at vpgsensors.com.

No license, express, implied, or otherwise, to any intellectual property rights is granted by this document, or by any conduct of VPG.

The products shown herein are not designed for use in life-saving or life-sustaining applications unless otherwise expressly indicated. Customers using or selling VPG products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify VPG for any damages arising or resulting from such use or sale. Please contact authorized VPG personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.