



VISHAY INTERTECHNOLOGY, INC.

VISHAY MICRO-MEASUREMENTS



CAPABILITIES



Vishay Micro-Measurements

Offering the Broadest Range of Stress/Strain Measuring Equipment Available

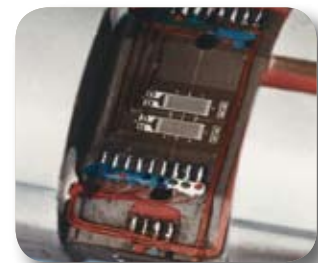
Vishay Micro-Measurements is dedicated to the development, manufacture, and marketing of products for high-precision strain measurement. It is our only business. For purposes of experimental stress analysis—whether preproduction prototype evaluation, field-service testing, failure analysis, or pure research—we offer a full complement of the sensors, instruments, equipment, and supplies necessary to obtain accurate, reliable strain data.

Our products are used throughout the industrialized world—both in the practice of experimental stress analysis, and as the sensing elements in a wide variety of transducers for measuring physical variables other than strain (weight, force, torque, pressure, etc.). We are structured equally to serve the differing needs of the very small user, and those of the extremely large high-volume customer.

For stress analysis testing, we are a leading supplier of electrical resistance strain gages, strain gage accessories, and special resistive sensors and specialists in the development and manufacture of static and dynamic strain gage instrumentation. Additionally, as experts in the field of photoelasticity, we offer a wide range of equipment and materials for this visual, full-field measurement technique.

Vishay Micro-Measurements also produces strain gages and installation accessories that are designed to meet the needs of load cell manufacturers. Our Transducer-Class® gages have the special features and operating characteristics required for the economical production of precision transducers.

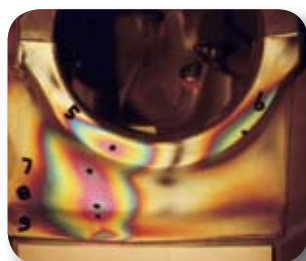
Vishay Micro-Measurements is an ISO 9001:2000 Certified company.



Applications

Areas of application are far too numerous to itemize here, but a small sampling includes:

- Automotive
- Farm machinery
- Aircraft and aerospace
- Engines
- Pressure vessels
- Shipbuilding
- Office equipment
- Bridges
- Medical
- Appliances
- Building and construction
- Load cells
- Force transducers



Products and Services



Strain Gages

Vishay Micro-Measurements produces a wide selection of strain gages and installation/application accessories. Currently, over 250,000 different strain gage types are offered. These include open-face general-purpose gages, the revolutionary CEA gages, temperature sensors, weldable gages, crack propagation gages, hybrid sensors, and many more.



Strain Gage Accessories

Vishay Micro-Measurements produces a wide range of accessories for the installation of electrical resistance strain gages. Over 200 different items are available. These range from surface preparation materials, bonding adhesives, solder, leadwires, tools, to final environmental coatings. Our in-house formulated adhesives and coatings are recognized as industry leaders for their performance and batch-to-batch consistency.



Strain Gage Instrumentation

Complete understanding of the total strain measuring system—from gage installation to instrument output—is vital to successful strain analysis. Available instruments range from portable, digital strain indicators, to sophisticated computer-controlled systems for the acquisition, storage, and reduction of test data. Both static and dynamic measuring instruments are produced—each one uniquely designed to provide stable, accurate, and reliable strain measurement.



Polariscopes and Accessories

We manufacture the materials and equipment required for use of the photoelastic technique to its fullest potential. Our products include reflection polariscopes for PhotoStress[®] analysis, a wide range of photoelastic coating materials, and application kits.



Services

Applications Engineering Support—A full-time staff of Applications Engineers is available for customer consultation at no charge.

Training Programs—Vishay Micro-Measurements conducts an extensive series of regularly scheduled technical seminars and workshops. These training programs are intended for managers, design and test engineers, technicians, teachers, and anyone else involved in experimental stress analysis or in transducer development and manufacture. Go to <http://www.vishay.com/strain-gages/training-list> for details.

Technical Information—Concise technical and product information describing techniques, equipment, and practical applications is available from Vishay Micro-Measurements through an array of technical literature, as well as on our web site at www.vishaymg.com.

Customer Service—One of the basic ingredients of a successful company is a prevailing sensitivity to the needs and perceptions of its customers. Throughout our history, we have adhered to the philosophy that customer service is of first-rank importance. Whether a customer is placing an order or simply requesting information such as product specifications, prices, or technical data, the expressed need deserves prompt, knowledgeable, and courteous attention.



NOTICE Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies. Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right. The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.

VISHAY MEASUREMENTS GROUP:

Vishay Micro-Measurements

Vishay Transducers

Vishay Systems—Weighing and Force Measurements



One of the World's Largest
Manufacturers
of Discrete Semiconductors and Passive Components

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