Serving manufacturers, processors, distributors and users of wire and cable

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Edgar Bender & Elmar Wichmann

Nominated for their development of the RESISTOMAT® 2304 high-precision automatic inspection and test unit for electrical resistance testing are Edgar Bender, Product Manager for Ohm Meters, and Elmar Wichmann, Head of Development of Electronic Measurement Instruments and Device Software at burster praezisionsmesstechnik gmbh & co kg, Gernsbach, Germany.

After more than 10 years of research and development, the efforts of Bender and Wichmann resulted in the RESISTOMAT 2304 instrument, which the company describes as an unparalleled instrument having an accuracy of >0.01% with a resolution in the 200 µOhm range (display shows 200,000 µOhm) of 1nOhm (0.000000001 Ohm) in the lowest measuring range.

The RESISTOMAT 2304 as well as the more cost-effective RESISTOMAT 2316 universal instrument, which has an accuracy of 0.03% and a resolution up to 0.1 microOhm, is used today in cable works all over the world.

Major wire and cable manufacturers such as LEONI, General Cable, Nexans, Furukawa, Fujikura, Draka, nkt and Prysmian, to name just a few, have come to appreciate the high grade of accuracy, stability of measurement, repeatability, robustness and easy operation of these automatic digital RESISTOMAT inspection and test instruments.

In addition to RESISTOMAT inspection and test units, Bender and Wichmann also contributed to the development of a wide range of clamping devices used for contacting the cable samples. The clamping devices available from burster are designed to handle larger cross sections in order to decrease the loss of energy during long distance electrical energy transfer. The clamping devices can even accommodate the largest cross sections on power cables up to 2500 mm².

burster praezisionsmesstechnik, which has been involved in the development and manufacture of high-precision micro and milli-ohm meters since 1961, will celebrate the 50 year anniversary of the company in 2011.

For additional information on RESISTOMAT high-precision automatic inspection/test units, visit the website listed below.
www.burster.com