



Stripres® Sensor For Pressure Measurements in Vacuum Insulation Panels

The Stripres® sensor revolutionises vacuum insulation panel (VIP) quality monitoring and control, enabling readily accessible and cost-effective pressure measuring throughout the lifetime of a panel. As VIP's key characteristic – its thermal insulation performance – is directly correlated with its vacuum level, such monitoring is crucial for ongoing panel performance and quality evaluation. The Stripres® sensor is permanently installed into a VIP during production, and addresses the challenge of VIP quality verification not only during the manufacturing process, but also throughout VIP's useful life, once a panel is installed for its designated application. A wide array of VIP application scenarios are supported due to the contactless measurement principle.

KEY ADVANTAGES

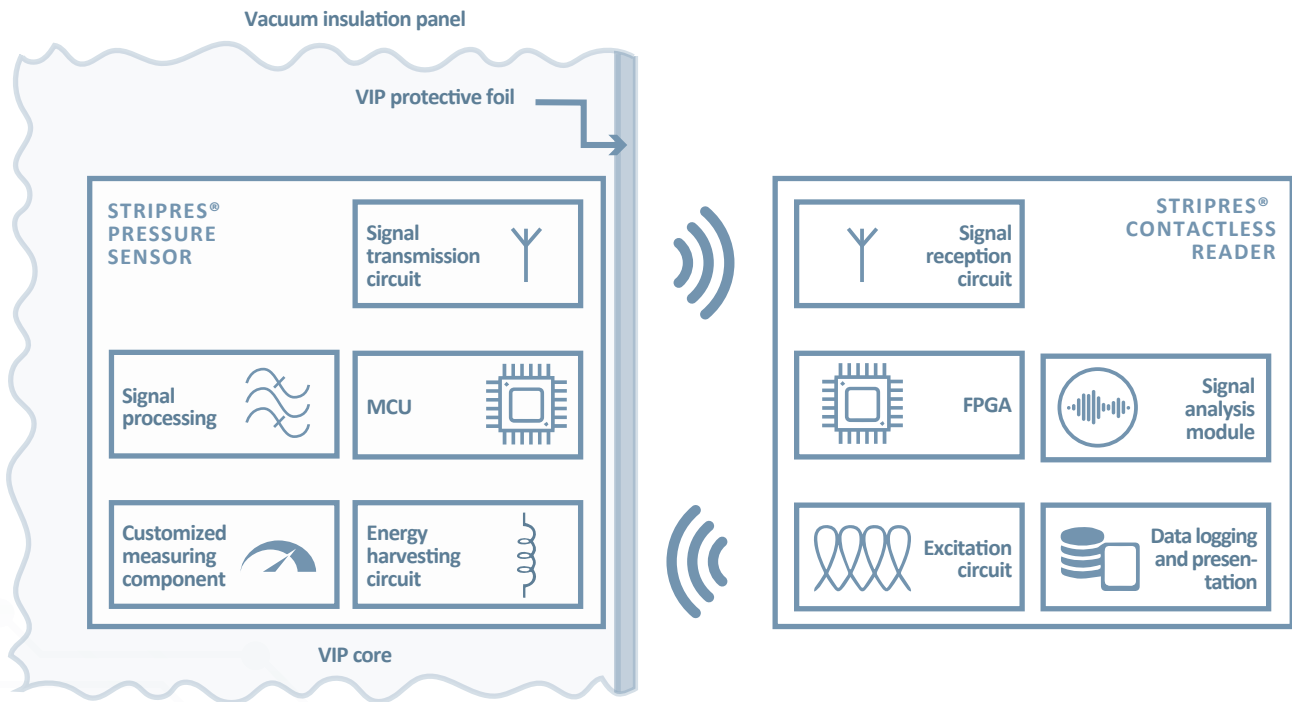
- S CONTACTLESS SENSOR READING, ALLOWING PRESSURE MEASURING BOTH DURING VIP PRODUCTION AND ITS SERVICE LIFE IN A DESIGNATED APPLICATION SCENARIO**
- S BATTERYLESS OPERATION, ENABLED BY ENERGY HARVESTING FROM THE SENSOR READER DEVICE, ALLOWING LONG SENSOR SERVICE LIFE**
- S EXCELLENT PRESSURE MEASUREMENT ACCURACY AND WIDE PRESSURE MEASUREMENT RANGE, WITH THE LOWEST LIMIT BELOW 5 PA**
- S COST-EFFECTIVE SOLUTION, ALLOWING WIDESPREAD ADOPTION IN VIP PRODUCTION**



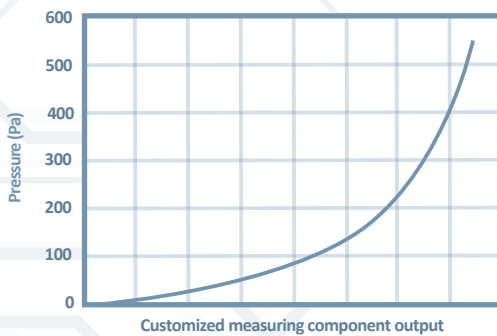
CREATING AND MANUFACTURING INNOVATIVE, ENERGY-EFFICIENT, SUSTAINABLE PRODUCTS AND SERVICE SOLUTIONS THROUGH LONG-TIME PARTNERSHIPS

ELECTRONICS • LED TECHNOLOGY • ADVANCED SENSORS • SMART MEASURING • CONNECTIVITY & IOT

STRIPRES® PRESSURE MEASUREMENT SYSTEM BLOCK DIAGRAM



STRIPRES® SENSOR MEASURING COMPONENT'S RESPONSE CURVE



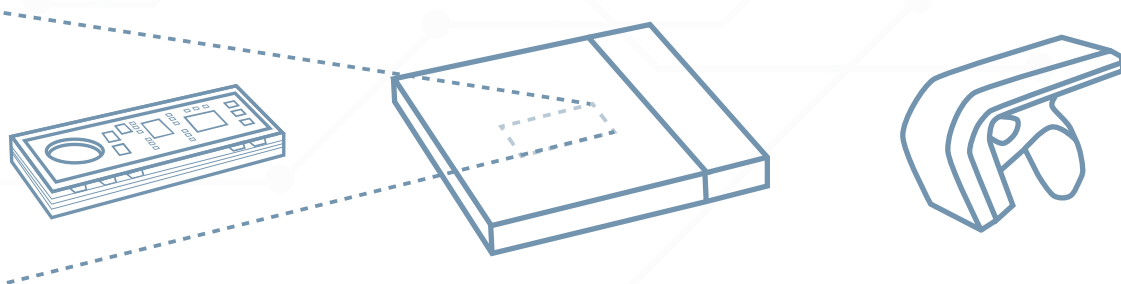
PRODUCT FEATURES

- § CONTACTLESS MEASUREMENT
- § BATTERYLESS SENSOR OPERATION
- § 1 PA – 1000+ PA BROAD PRESSURE MEASURING RANGE
- § PREDICTED RELATIVE ACCURACY $\pm 7\%$ ABOVE 20 PA, $\pm 15\%$ BELOW 20 PA
- § TEMPERATURE-INDEPENDENT MEASUREMENT
- § UNIQUE SENSOR ID FOR INDIVIDUAL SENSOR/PANEL TRACKING
- § PATENT-PENDING TECHNOLOGY

STRIPRES® SENSOR

VACUUM INSULATION PANEL

CONTACTLESS READER



📍 Strip's d.o.o. Kandrševica 7, 1252 Vače, Slovenia, Europe

☎ Tel +386 3 567 07 70 📠 Fax +386 3 567 07 80 ✉ info@strips.eu

www.strips.eu