

**PRESS RELEASE:- Combined weight and temperature measurement for silo storage process control:  
 New VPG Transducers silo weighing system available from Variohm EuroSensor**

*Recently launched by VPG Transducers and available with full support from its UK distribution partner Variohm EuroSensor, the new S-series is a flexible and configurable load-cell based silo weighing system with optional temperature measurement. Featuring VPG's 178 extensometer load cells, optional PT100 sensors and a choice of three display variants, including a remote PC monitoring version, the S-series allows users to utilise weight and temperature measurements to calculate accurate fluid density, fluid mass and actual volumetric levels in up to 24 silos. The flexible and configurable system is easily adapted for process measurement tasks across a diverse range of industries including cement and minerals production, water treatment plants, agricultural produce, and food & beverage bulk material storage.*



Through its three display versions, the S-series features VPG Transducers' model 178 strain gauge extensometer load cells that have pedigree of application success for weighing, level control, stress and fatigue monitoring across many industries. Its alloy steel and IP66 hermetically sealed construction combine with a generous overload capacity to ensure accurate and low uncertainty weight measurement. Each display version offers a fixed number of load cell measurements, optional relay interfaces and bus based communications. Optional PT100 temperature sensors for up to two temperature measurements per silo can also be specified. The entry level ST1 features a panel mounted LCD display for up to 4 weight and temperature measurements per screen and up to 8 connected silos. ST1 system options include integration of up to 16 temperature measurements, up to 4 relay interface casings (16 relay outputs per casing) and a Modbus TCP/Ethernet IP connection. French and English language interfaces are included. The ST3 system features an RGB display with resistive touch controls for up to 24 measurements per screen, set as 8 weighing measurements and 16 temperature measurements. As standard the ST3 includes a Modbus TCP interface and, through its powerful 32-bit x86 microprocessor, supports up to 24 silo weight measurements plus 48 temperature measurements in addition to a maximum of 4 relay interface casings (16 relay outputs per casing) and Ethernet IP connections. Language interfacing for English, French and Spanish is included. For users who require remote monitoring, the S-Box silo weighing system allows a wide choice of weight and temperature measurements to be displayed on desktop browsers or portable devices.

An embedded web server allows the user to access measurements from any computer connected on the same network and with multi-language (English, French, German, and Spanish) capability, the system will suit global silo measurement markets. A powerful 32-bit x86 microprocessor supports up to 24 silo weight measurements, 48 temperature measurements, as well as up to 4 relay interface casings (16 relay outputs per casing) and Ethernet IP connections.

Variohm EuroSensor supports VPG Transducers' full range standard and custom force, pressure, torque, load, tension and weight sensors. As a manufacturer and a distribution partner for other leading sensor and transducer suppliers Variohm provides complete sales and application support across a comprehensive range of sensor technologies for position, force, pressure, load, and temperature for challenging measurement tasks in industry, construction, agriculture, motorsports, research and more. For further information please visit [www.variohm.com](http://www.variohm.com), email [sales@variohm.com](mailto:sales@variohm.com) or call 01327 351004.

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#### *About Variohm EuroSensor*

*Variohm EuroSensor is a manufacturer, distributor and supply chain partner providing complete sales and application support across a comprehensive range of position, force, pressure, load, and temperature sensor technologies - for demanding measurement applications across industry, construction, agriculture, motorsports, research and more.*

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