

News Article

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DSG Series of Density Meters

The measurement of specific gravity is commonplace throughout industry; from raw material testing to multiple instrument experiments within food, beverage, chemical, pharmaceutical and general industrial processes.

Comprised of two instruments with varying measurement accuracy, the DSG Series offers flexibility for your laboratory. The DSG40 has a density measurement accuracy to 4 decimal places, whilst the DSG50 offers a higher specification resolving to 5 decimal points (g/cm³). The versatility of the DSG Series is evident through its METHODS system, common throughout Bellingham + Stanley's range of RFM refractometers and ADP Polarimeters. The METHODS system allows users to adapt to sample measurement with a collection of predetermined selections. DSG Series results can be expressed as Brix, % alcohol (w/w or v/v) as well as specific gravity (20/20 or 25/25) with the potential for even more application specific methods to be introduced over time.

Users familiar with Bellingham + Stanley products will recognise how the simple, bright, 7" colour-coded touchscreen makes reading and configuration simple, even when wearing PPE gloves

Sample application is made using a Luer-lock syringe and to avoid erroneous readings caused by entrapped air, an onboard detection system warns users of any possible issues. A window above the detector cell provides for a final check of the sample application to help ensure measurement validity.

Peltier temperature control is used to ensure stabilisation before analysis, whilst a powerful internal air pump, humidity sensor, and integrated desiccant means the DSG Series has no need for external devices for venting after cleaning, so your precious bench space isn't taken up by needless peripherals.

Extensive reporting and security features within the instrument's user-friendly menu ensures auditability and data integrity when choosing to incorporate the instrument into any laboratory operating in accordance with GLP or FDA regulation 21 CFR Part 11.

DSG Density Meters have been designed with a variety of industries in mind. From edible oils and soft drinks in food & beverage, to raw materials testing in pharmaceutical. Density measurement is key to production control and quality assurance. Used alongside complementary instrumentation from Bellingham + Stanley / Xylem, DSG Density Meters can aid in complete production control workflows. Recommended industries for use include

Bellingham + Stanley

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a xylem brand

(but are not limited to) pharmaceutical, food & beverage, alcohol (beers, wines, ciders and spirits), as well as industrial applications including acids and biodiesel.

Bellingham + Stanley, a Xylem brand

Word Count: 572



About Bellingham + Stanley

Bellingham + Stanley has been manufacturing refractometers and polarimeters at its manufacturing base in the United Kingdom for over a Century. Bellingham + Stanley has exported product right across the globe, serving many customers in the food, beverage, chemical, pharmaceutical and general industrial markets. Bellingham + Stanley became part of Xylem in 2011.

About Xylem Analytics

Xylem Analytics' global brands have been leaders in the laboratory instrumentation market for decades, and are relied upon every day across more than 150 countries. Working in true partnership with our clients, we listen, learn and adapt to individual needs, offering deep application expertise built upon our long history of innovation in instruments and services. Our solutions for analysis, measurement and monitoring help enable many of today's modern laboratories and industrial processes, and provide our customers the trusted and high performing solutions they need to succeed.

Xylem Analytics is part of Xylem Inc., a global company focused on solving the world's most challenging and fundamental water issues. As accurate analysis is crucial to the water industry, Xylem Analytics taps its diverse product brands for leadership in that field and beyond, providing the best laboratory and field monitoring instrumentation across a wide variety of industries.

About Xylem

Xylem | zīləm |

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to: www.xylem.com