

Press Release

Correction notification

Deutsche WindGuard Wind Tunnel Services increases service scope, reduces measurement uncertainty

Quality improvements and new certifications in all four calibration wind tunnels

The correct value for the lower limit of the measurement uncertainty is 0.025 m/s and is therefore substantially lower than initially published.

Varel, 2020-04-28: Leading wind tunnel specialist Deutsche WindGuard has extended the DAkkS-accredited measurement range. Accredited anemometer calibrations can now be conducted with flow speeds from 0.5 m/s up to 38 m/s. In the same course, the overall measurement uncertainty was reduced to 0.25 % (however not less than 0.025 m/s). This is the result of a long-term internal quality initiative. During said initiative, the fourth calibration wind tunnel with a test section area of 1.2 m by 1.2 m received MEASNET approval.

"As part of our commitment to the highest quality, we have succeeded in reducing the measurement uncertainty by up to 60 % in a sustainable manner," says Nicholas Balaesque, Managing Director of Deutsche WindGuard Wind Tunnel Services GmbH. "These extremely precise measurements were made possible by a comprehensive improvement process and state-of-the-art measurement technology. Among other things, we use the Laser Doppler-Anemometer (LDA) in one of our four wind tunnels, which Germany's National Metrology Institute, the PTB, uses as the primary standard for wind velocity."

Publication and reprinting free of charge; it is politely requested that a specimen copy be sent to Deutsche WindGuard GmbH. For further information, please see: www.windguard.com or www.windtunnelcentre.com

Deutsche WindGuard – The Wind Professionals

Deutsche WindGuard Wind Tunnel Services offers highest precision for wind sensor calibration and development. As an accredited calibration laboratory, Deutsche WindGuard Wind Tunnel Services GmbH is accepted by MEASNET and IECRE. Deutsche WindGuard Wind Tunnel Services GmbH is a part of the Deutsche WindGuard Company Group. With five calibration wind tunnels, a variable density wind tunnel, a climatic wind tunnel, and the acoustically optimized large wind tunnel, Deutsche WindGuard Wind Tunnel Centre offers ideal conditions for measuring, testing and R&D. In a complex energy market, Deutsche WindGuard is committed to providing extensive scientific, technical, and operational services, which are unbiased and manufacturer-independent. Deutsche WindGuard was founded in 2000. With the headquarters in Varel and subsidiaries in Germany, the United States, China and India, it employs more than 170 experienced experts.

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