

SENSOR MANUFACTURER LUFFT INTRODUCES NEW NON-INVASIVE ROAD WEATHER SENSOR FOR SMART TRAFFIC APPLICATIONS

Fellbach/Germany. After a year of development work, a new generation of Lufft stationary street weather sensors is now ready. The StaRWIS, which is installed at a measuring distance of 5.5 meters above the road, is based on an award-winning and innovative LED technology. This is already used with the MARWIS mobile sensor. After introducing the first non-contact road sensor NIRS31 in 2011, the company is now consistently continuing the development of this technology.

SUITABLE FOR TRAFFIC MANAGEMENT APPLICATIONS IN CITIES AND ON BRIDGES



1: StaRWIS | Stationary Road Weather based on LED technology

The easy-to-install and compact StaRWIS is a new stationary sensor for road weather information systems. This is based on a non-invasive, spectroscopic measuring principle. The sensor is particularly suitable for hard-to-reach or critical locations, which make installation on the ground difficult or impossible. This includes, for example, bridges or city streets.

StaRWIS provides the values of road temperature, dew point temperature, water film height, road conditions (dry, wet, ice, snow, critical and chemically wet), relative humidity, the percentage of ice and friction. In November 2017, a firmware update will expand the capabilities to include the freezing point temperature and dew point density.

StaRWIS can be installed at a height between five and six meters. Thus, it has a shorter range than the road weather sensor NIRS31-UMB, which can be installed flexibly at distances to the surface of 15 to 50 meters. The innovation therefore complements the portfolio of the Lufft sensors for winter services, smart cities and traffic management applications with a more cost-effective and compact model.

NO COMPROMISES ON ACCURACY, THANKS TO MARWIS LED TECHNOLOGY

The new StaRWIS road weather sensor is based on the same Lufft LED technology as the MARWIS mobile sensor. In this way, it achieves the highest precision that opto-electronic weather sensors are capable of attaining. Like the MARWIS, Bluetooth can be used to wirelessly control the configuration as well as the data transfer. Alternatively, a connection via RS485 and CAN bus is also possible.

"StaRWIS provides all measurements accurately and reliably. It even exceeded our expectations," reported the first Canadian tester.

More Informationen about *StaRWIS*: bit.ly/2ohrepm

About G. Lufft Mess- und Regeltechnik GmbH:

Since its founding by Gotthilf Lufft in 1881, G. Lufft GmbH has been the leader in the production of climatological measuring equipment – always with the motto "tradition meets innovation". Lufft's capacity for innovation and precision has helped its products establish the solid reputation they enjoy around the world. The company's products can be found in use wherever variables such as air pressure, temperature, relative humidity and other environmental factors need to be measured. Together with its subsidiaries in the U.S. and in China, the company has 105 employees. In November 2012, G. Lufft GmbH was awarded the German Standards Brand Prize and was named a "Brand of the Century". More information at: www.lufft.com.

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