

JUMO hydroTRANS H50 dries food in a few hours

Applications also in thermal process technology and fuel cells

Some devices "like it hot": The JUMO hydroTRANS H50 from the JUMO hydroTRANS series is certainly one of them. It only really reaches its best at temperatures above 100 °C.

Devices of the JUMO hydroTRANS series

are reliable humidity and temperature transmitters with an optional CO₂ module. The device series is available with various interfaces and is characterized by ease of installation, robustness and reliable sensor technology. So now a new powerhouse of the family, the JUMO hydroTRANS H50, is entering the big stage.

The JUMO hydroTRANS H50

convinces even with high humidity and chemical stress with highly accurate and stable temperature and humidity measurements. Due to its wide range of applications from -80 to +180 °C and its ability to measure pressures of up to 300 bar, it not only masters a wide range of measurement tasks, but also reduces device costs at the same time thanks to an integrated data logger.

The device

impresses with its high-precision measurement, coverage of all applications for moisture measurement, flexible connection options and high process reliability, as Justin Heinrich, Product Manager at JUMO, emphasizes.

"Drying processes for grain

can thus be monitored very precisely and also accelerated," says Heinrich. Thanks to its robustness and precision despite the extremely high temperatures, the JUMO hydroTRANS H50 can also be used in the field of thermal process technology. "With a view to energy efficiency, this is about lean processes. The JUMO hydroTRANS H50 can provide reliable data here," Heinrich continues.

Another area of application is PEM fuel cells.

PEM stands for "proton exchange membrane" or "polymer electrolyte membrane". 2 types of PEM fuel cells are under

Presse-Information PI 2510

Seite 1 von 2

Redaktionelle Auskunft:
Michael Klose, Pressestelle
Telefon: +49 661 6003-2346
Telefax: +49 661 6003-882346
E-Mail: michael.klose@jumo.net

Technische Auskunft:
Justin Heinrich, Produktmanager
Telefon: +49 661 6003-2731
E-Mail: justin.heinrich@jumo.net

JUMO GmbH & Co. KG

Moritz-Juchheim-Straße 1
36039 Fulda, Germany

Telefon: +49 661 6003-0
Telefax: +49 661 6003-500

E-Mail: mail@jumo.net
Internet: www.jumo.net

development: low-temperature cells (up to about 90 °C) and high-temperature cells (up to about 180 °C).

Presse-Information
PI 2510

Seite 2 von 2

"In the fuel cell, the JUMO hydroTRANS H50

is used to measure the humidity in the supply line of hydrogen and oxygen. This ensures that the membrane is always properly humidified, thus maximizing the service life and efficiency of the fuel cell," explains Heinrici.



Photo: JUMO

Caption: The JUMO hydroTRANS H50 with replaceable sensor convinces with highly accurate and stable temperature and humidity measurements even in high humidity and chemical loads.

The JUMO Group, headquartered

n Fulda, Germany, employs around 2400 people worldwide and is a leading system and solution provider for industrial sensor and automation technology. JUMO products are used, for example, in the sectors "Thermal Process Technology", "Heating, Air Conditioning, Ventilation", "Food and Beverage", "Renewable Energies" or "Water and Wastewater". Sales in 2024 were 301 million euros.