SONTEC filling level/level switch CAS-8

Sensor measures filling levels in tanks and pipes +150°C

LENNESTADT (wl) – The capacitive filling level/level switch CAS-8 by SONTEC measures liquid levels in tanks and pipes precisely. The sensor can also be used to reliably measure full/empty statuses of pasty media and as a dry-run protection.

As the sensor in the part of the food and pharma system that has contact with the product is exposed to extreme temperatures and chemical requirements, and its tip is always in contact with the measured media, the manufacturer SONTEC uses, amongst other things, durable and resistant PEEK material that is FDA conform, non-sensitive to foam and adhesions, and can be cleaned easily. High impact resistance, excellent tensile, bending and creep properties, as well as resistance to all standard solvents, acids and alkalis are further product advantages.

The SONTEC sensor CAS-8 works permanently at process temperatures of -10°C to +100°C. For instance, it can also be exposed up to +150°C and up to 10 bar pressure for 30 minutes in cleaning and sterilisation processes. The PEEK material is resistant up to +260°C. The response times of the CAS-8 lie in the millisecond range.

The sensor can be installed into the process via standard process connections such as tri-clamp, Varivent, milk pipes, ingolds, or the SONTEC welding socket.

The sensor head houses an LED that acts as a control display, a micro-switch for setting switch delays, a switch output and an optional programming adapter which can be used by the free SONvis software to monitor the process. The configurations can also be set via the PC. Also, complete 'process monitoring' is possible. A unique feature here is the free configuration of the limit values and hysteresis.

Contact:
SONTEC Sensorbau GmbH
Am Wasserfall 6
D-57368 Lennestadt

Manuela Schäfer
fon: 02721 – 6014-0
mail: msc@sontec.de
web: www.sontec.de

Picture: The SONTEC CAS-8 can be used in the food and pharma industry as a filling level/level switch sensor and dry-run detector. (Picture: SONTEC GmbH)
About Sontec Sensorbau GmbH

Since 1990 SONTEC Sensorbau GmbH, Lennestadt/Sauerland, has been developing special sensors for various industries – ranging from the solar and heating equipment sector, through medical and laboratory equipment, apparatus construction, food & pharmaceutical up to and including mechanical engineering. With a workforce of 100 experienced employees and a high production depth, this owner-run company is highly flexible both in terms of its customer support and the production processes. Thanks to the modular structure of the SONTEC products, customised solutions can be created at any time at very efficient conditions.

The current portfolio includes:

- Temperature sensors for solar thermal energy, heating industry, mechanical engineering, food and pharmaceutical industry
- Capacitive and conductive filling level / level switch for monitoring liquid levels in tanks and pipes used in the food and pharmaceutical industry.
- Conductive and inductive conductivity sensors for process equipment in dairies and brewing operations
- Process adapters for various customised installation situations and in compliance with general standards
- Analysis electronics and system components (accessories)
- Special solutions (VIP), such as humidity sensors, thermostat remote distributors, global radiation sensors, sleep sensors

The independent development company SONDEV GmbH looks at new ideas and generates practical technical solutions for many requirements. This includes the development of hardware and software in the field of measuring equipment, sensorics and industrial electronics, as well as continuous product updating.

As a sales company SONDIS GmbH supports and supplies customers across the world with SONTEC standard solutions and additional measuring, control and regulation products.