**New hygienic inductive conductivity measuring system OPTISYS IND 8100**

* Compact hygienic inductive conductivity measuring system for conductivity, concentration and temperature
* Short response time for product analysis, phase separation and optimisation of transition phases in CIP plants

**Text:**

Duisburg, April 28, 2015: KROHNE introduces the new hygienic inductive conductivity measuring system OPTISYS IND 8100 for the food and beverage industry. With its fast response time, it is particularly suitable for applications in the field of product separation/identification, or in CIP plants to shorten transition phases and save cleaning fluids.

The new 3A and EHEDG certified measuring system offers two 4…20 mA outputs for conductivity, concentration and temperature. Within the conductivity measuring range from 50 μS/cm…1.000 mS/cm, OPTISYS IND 8100 features 14 pre-set range/output combinations for convenient commissioning. Alternatively, the analogue output can be set freely via the touch display or via PC with optional configuration tool. For media separation, 4 conductivity ranges can be defined via PC. The concentration output can be used to display the concentration of 4 factory set mediums/ranges, e.g. caustic soda, nitric acid, or a customer set medium, which concentration curve can be programmed via a 30 point linearisation. The short response time of the integrated Pt100 temperature sensor (T90 < 15 sec) allows for fast indication of changes in medium or process conditions. The corresponding conductivity is also indicated (T90 < 2 sec) for fast identification of CIP reagents to prevent blending and save costs.

OPTISYS IND 8100 uses a touch display for configuration. It features different selectable display modes and warnings: the background colour can be set in three colours, white, green and red; steady or flashing related to alarm settings. Further there are 2 solid state relay contacts configurable as limit switches. The compact design with IP67/69K housing suits for pipes with small diameters > DN40 / 1 1/2". The sensor is encapsulated in a PEEK body for use in hygienic processes or direct in concentrated acids or alkalis. Various hygienic process adapters such as Tri Clamp, DIN 11851, SMS or Varivent N are available. OPTISYS IND 8100 is the successor to the discontinued ACM 500.

About KROHNE: KROHNE is a full-service provider for process measuring technology for the measurement of flow, mass flow, level, pressure and temperature as well as analytical tasks. Founded in 1921 and headquartered in Duisburg, Germany, the company employs over 3,500 people all over the world and is present on all continents. KROHNE stands for innovation and maximum product quality and is one of the market leaders in industrial process measuring technology.

**Picture:**

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**Caption:** New hygienic inductive conductivity measuring system OPTISYS IND 8100

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