

Digital Memosens transmitter.  
Affordable multiparameter device  
for pH/ORP, conductivity and oxygen

## Stratos *MS*





# Stratos

## Flexible Analyzers for Any Application

With its exceptional range of functions and application-oriented design, Stratos is well-established in the entire chemicals industry, in process and power plant engineering and in the pharmaceutical and biotechnology industries.

Suitable for all conceivable indoor and outdoor scenarios, the Stratos brand is today a synonym for innovation and reliability in process applications around the world – for example in starch production in Germany, sugar manufacturing in Brazil, cooling water monitoring in France or medicine production in Belgium.

Knick now unveils a purely digital version of Stratos with the Stratos MS multiparameter device for measurement with Memosens sensors.



## Stratos **MS**

Affordable Memosens transmitter for pH/ORP, Cond, CondI and Oxy

For measurement with contactless Memosens sensors, Stratos MS from Knick is the first digital multiparameter device which can be optionally configured for measurement of pH, ORP, conductivity (conductive or inductive) and oxygen. Stratos MS fulfills the same uncompromising quality requirements as all products manufactured by Knick.



[www.knick-international.com/stratosms](http://www.knick-international.com/stratosms)



White display:  
Measuring mode

Red flashing display:  
Alarm, error



**Intuitive user interface**

The self-explanatory user interface guarantees easy and intuitive handling. Internationally recognized icons provide operation information and draw attention to unusual operating states – supported by an easily legible scrolling text line.

**2-color backlit display**

A razor-sharp and high-contrast LC display simultaneously indicates measured values and temperature as well as measurement symbols as plain text. In normal measuring mode the display is backlit white. The alarm status has a particularly striking red display color and is also signaled by flashing display values. Invalid inputs or false passcodes cause the entire display to flash red, making operating errors virtually impossible.

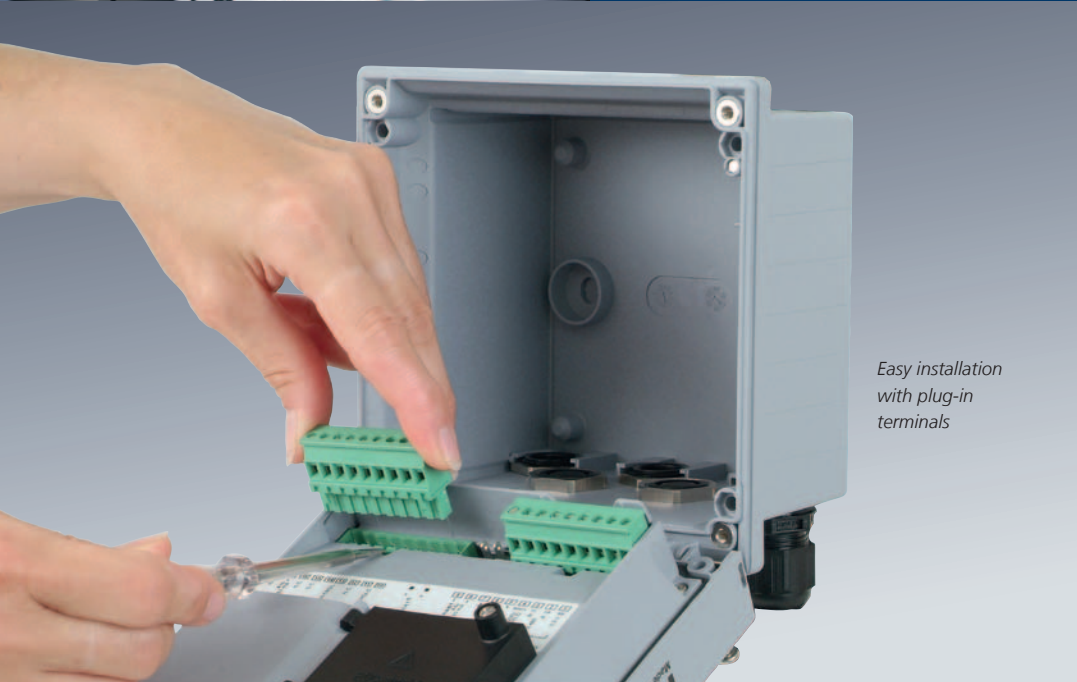


**IP 67**

**NEMA 4X**



# Stratos *MS*



Easy installation  
with plug-in  
terminals



### Shatter-proof and corrosion-resistant housing

The robust PBT housing with IP 67 protection is suitable for wall, pipe or panel mounting. Just like the display, it is UV resistant and suitable for outdoor use. Empty polymer housings and plug terminals that can be pre-assembled make installation easier.

### VariPower broad-range power supply

The integrated broad-range power supply for all common supply voltages from 20 to 60 V DC / 80 to 253 V AC offers maximum flexibility and ensures global operation even with large fluctuations in the power grid.

### Zone 2 explosion protection

Stratos MS is certified to ATEX / IECEx and approved for use in zone 2 hazardous environments. Unrivaled circuit technology ensures low self-heating and extremely high reliability.



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## Facts

- Multiparameter device for digital Memosens sensors (pH, conductivity or oxygen)
- Configurable process variable
- Comprehensive features and flexibility enable universal application
- 2-color backlit widescreen display (white for measuring, red for alarm)
- Protective pane made of safety glass
- Intuitive operation with easy-to-understand icons
- Logbook (100 entries)
- Sensor diagnostics with operating time, remaining lifetime and calibration timer
- Explosion protection Zone 2 (ATEX, IECEx)
- Broad-range power supply for global use
- Extremely robust, UV-resistant molded enclosure (IP 67)
- Simplified ordering and inventory management – one device for everything
- Excellent price-performance ratio

Maintenance work when using Memosens sensors



Maintenance work when using conventional sensors



# Memosens

## Interference-free coupling

The Memosens inductive sensor connector system transfers both energy and data without contact between electrochemical sensors and analyzers.

## Pre-calibrated sensors

By using pre-calibrated sensors, Memosens ensures maximum availability and lower maintenance requirements at the point of measurement.

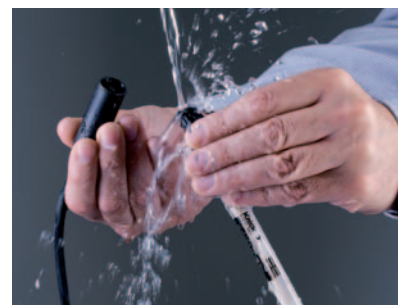
## Intelligent diagnostics

Memosens allows saving and analyzing process-related data directly in the sensor.

## Memosens.

### The benefits at a glance:

- Plug & Measure – Sensor replacement in seconds with pre-calibrated sensors
- Simple and safe plugging with bayonet coupling
- Contactless, digital data transfer
- All key data available in the sensor
- Longer sensor service life
- Error-free measurements, even in the toughest conditions
- Just one cable system for all sensors
- Measured values not influenced by excessively long cables



[www.knick-international.com/memosens](http://www.knick-international.com/memosens)



# Stratos *MS*

## Product Range

Stratos MS	Order no.
Stratos MS 4-wire, multiparameter, digital	A405N
Stratos MS 4-wire, multiparameter, digital, Ex Zone 2	A405B



Panel mounting



Post/pipe mounting

Accessories	Order no.
Pipe-mount kit	ZU 0274
Panel-mount kit	ZU 0738
Protective hood	ZU 0737

## Simple Installation

### Easy assembly

- Wall, post/pipe or panel mounting
- All parts easily accessible
- Large terminal compartment
- Rear unit can be pre-assembled
- Also suitable for rigid metallic conduits
- Replaceable plug-in terminals

### ZU 0274 pipe-mount kit

For mounting on vertical or horizontal posts or pipes.

### ZU 0737 protective hood

Additional protection from direct weather exposure and mechanical damage.

### ZU 0738 panel-mount kit

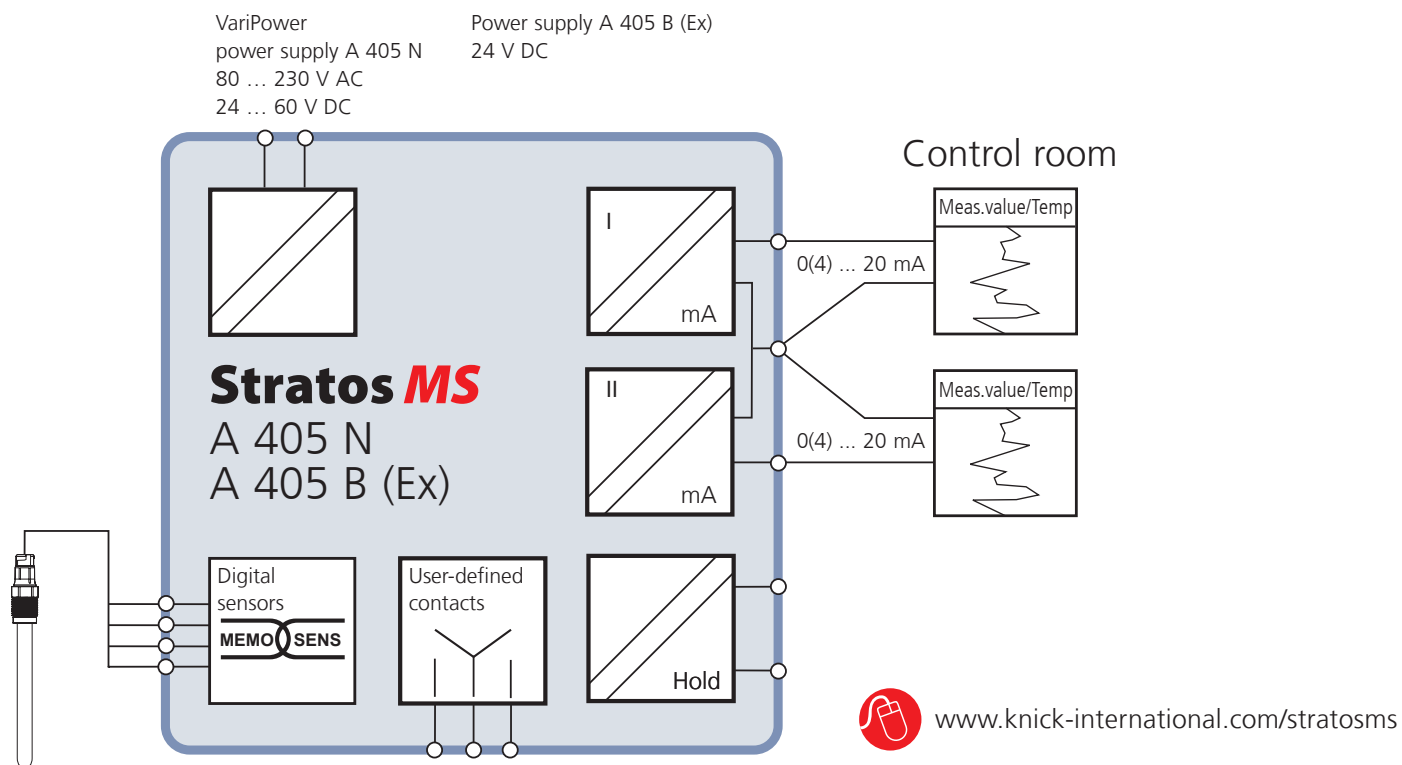
For mounting in standardized panel cutout 138 x 138 mm (DIN 43700), sealed against panel.



Protective hood



## Wiring Example





Interface Technology

Indicators

Process Analytics

Portables

Laboratory Meters

Sensors

Fittings

# Stratos

The Art of Expertise

## **Stratos *Evo***

4-wire devices, analog,  
digital and Memosens

## **Stratos *Pro***

2-wire devices, analog,  
digital and Memosens

## **Stratos *MS***

4-wire devices, digital  
and Memosens

## **Stratos *Eco***

4-wire devices, analog

## **Knick**

**Elektronische Messgeräte  
GmbH & Co. KG**

Beuckestraße 22, 14163 Berlin,  
Germany

Phone: +49 30 - 801 91 - 0

Fax: +49 30 - 801 91 - 200

knick@knick.de

www.knick-international.com