

# Odourisation Control System OCS 2020/2030



## PRODUCT INFORMATION

**Serving the Gas Industry  
Worldwide**

**Honeywell**

## For safe and precise odor control

The OCS 2020/2030 control system was specially developed for the requirements of odourisation technology. The control system enables the quantity-proportional actuation of the dosing pump of a gas odourisation system. The required odourant quantity for the flowing gas quantity is calculated and implemented in the control pulse for the odourant pump

based on the volume pulse or quantity signal provided by the gas meter or the flow corrector.

The control system is based on a Siemens PLC with plain text display on a 4" touch panel in black and white or an optional 6" colour display. The control unit has a modular design and can be individually adapted to the requirements of any odourisation system.



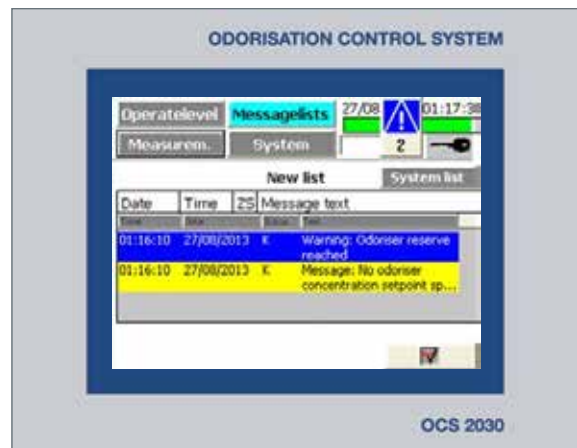
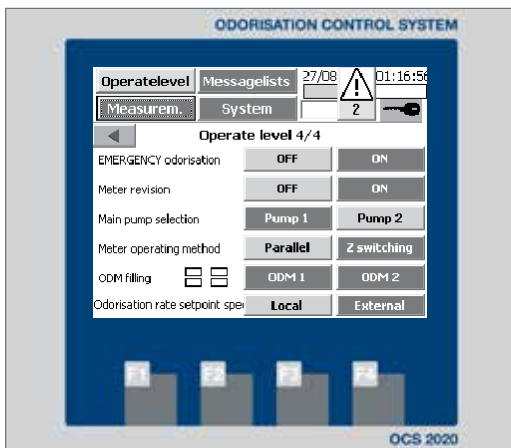
## Plain and simple

The control unit operation takes place through a touch panel with plain text display.

- Easy operation with intuitive menu guidance
- Plain text display, meaning the translation of numbers or codes is omitted
- Display in English or German, other languages on request

## Safe

If the flow signal fails, emergency odourisation can take place according to a fixed flow specification or according to average values during the last 48 hours.



## OCS 2020

### The control system in the basic design

- Control of the dosing pump via externally generated quantity-proportional pulses
- Meter pulse monitoring
- Direct pump stroke setpoint/actual comparison
- Fault message list with plain text display when the maximum stroke frequency of the dosing pump is exceeded
- Buffering and eradication of external volume pulses
- Addition or subtraction of the external volume pulse with two gas rails
- Internal pulse transmitter
- Automatic mode
- Manual mode for maintenance and testing purposes
- Calculation for the adjustment of the odourisation blast
- Calculation of the pump setting
- Time-dependent solenoid valve actuation for injection lines
- Four outputs for freely programmable fault messages
- Delivery rate monitoring with alarm triggering
- Fill level monitoring with alarm triggering when the limit value is undercut
- Collective fault message with indicator lamp
- Inspection function
- Conversion of the meter mode (Z-switching)

### Voltage supply

230 V AC/50 Hz

## Housing options

### Wall housing (compact switch cabinet)

As a control door housing, opening right or left, made of steel sheet with the dimensions:

WxHxD = 500x500x210 mm

Protection class: IP65

### 19" housing

19" dummy panel with cut-out for main switch and indicator lamp:

4" panel WxHxD = 88 MUx4 Ux100 mm

## OCS 2030

### The control system with additional functions

- Seven relay outputs for freely programmable messages
- Calculation of the foreseeable time until the container replacement/container filling
- Pump stroke calculation with correction factor (only ODM)
- Calculation of the odourant concentration with remote indication (4 to 20 mA)
- Freely programmable actuation of two dosing pumps with one control system
- External setpoint specification (Hardware)
- Actuation of the overflow safeguard
- Setpoint feedback
- Pump fault evaluation with automatic switch-over (main/reserve mode)
- Customer-specific message input

### Additional options

- Expansion possibilities with other interfaces
- Larger 6" touch panel with colour display
- Remote visualisation via internet connection
- Independent control of additional pumps
- Additional programmable customer-specific functions
- Ethernet interface for remote connection
- Processing of operational flow rates and VB pulses with additional switching of the meter pressure signal (quantity conversion function cannot be calibrated)

6" panel WxHxD = 88 MUx6 Ux100 mm

1 MU (modular unit) = 43.13 mm

1 RU (rack unit) = 5.02 mm

### Mounting plate

For installation in the switch cabinet

or on the 19" pivoting frame,

dimensions:

WxHxD = 441 mmx470 mmx200 mm

**For More Information**

To learn more about Honeywell's  
Advanced Gas Solutions, visit  
[www.honeywellprocess.com](http://www.honeywellprocess.com) or contact  
your Honeywell account manager

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