



# SIREL Ex

## Control Unit in Ex-Version For Color Plus Ex and DualScat Ex



### Applications

- Turbidity monitoring in processes
- Absorption and colour monitoring in processes

### Industries

- Chemical Industry
- Pharmaceutical Industry
- Beverage
- Petrochemical Industry

### Advantages

- Simple installation using operating unit mounted in Ex-zone
- User comfort with fully functional display and keys in Ex-zone
- Enhances safety with encapsulated design
- Complete system integration

# SIREL Ex

Control Unit in Ex-Version for ColorPlus Ex and DualScat Ex

## Innovation with tangible benefit



### Complete solution photometer with operating unit

The SIREL Ex in combination with the ColorPlus Ex or the DualScat Ex for a complete and functionally independent solution for the measurement of concentration, colour or turbidity in Ex-zones. This facilitates installation, start-up and operating of the whole assembly.



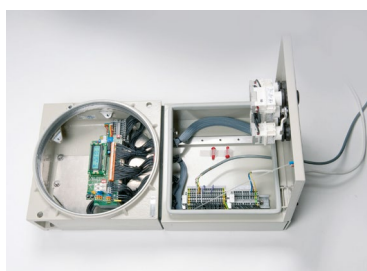
### Display/operation during service

The design of the SIREL Ex offers all features of the standard SIREL while operating in the Ex-zone. This means that the display of the unit is visible through a safety window at any time. The buttons for menu selection and parameter setting are arranged as in the standard unit and continuously available for the same functionality.



### Ex-certified cable glands

The terminals for power supply, signalling and measuring values are connected to the unit through Ex-certified cable glands and rubber plugs.



### Encapsulated housing

The housing of the SIREL Ex is fully encapsulated and allows the operation in zones Ex de IIC. It is tropicalised and sea water proof and therefore suitable for almost any installation.

### Technical data

#### Housing and connections:

Ex-category: 2 G  
Temperature class: T5  
Protection class: Ex de IIC

#### Installation:

Wire cross section: max 2.5 mm<sup>2</sup>  
max 4 mm<sup>2</sup> (PE)  
Ambient temperature: -20 .. +50 °C  
Ambient humidity: 0 .. 100% RH  
Protection degree: IP66  
Power supply: 85 .. 264 V, 47 .. 63 Hz  
or 24 VDC

Power consumption max.: 25 W  
Dimensions: 320 x 645 x 203 mm  
(W x L x H)

Weight: ca. 25 kg  
Surface: RAL 7032

2-components synthetic resin paint (sea water proof)

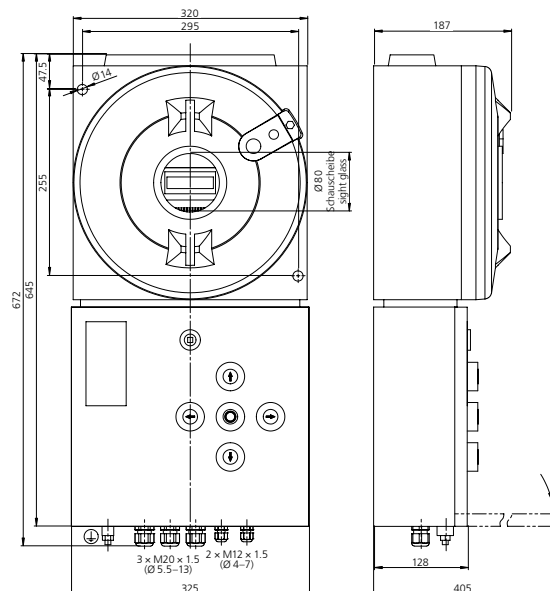
#### Operation:

Buttons: Ex d-type push buttons for menu, parameter selection, and data entry

Display: Display visible through safety window

Ex Certification: PTB 13 ATEX 1018X  
IECEx BK1 13.0004X  
EX NESPI GYJ 02109

Outputs: 2 x 0/4 .. 20mA  
2 x Relays contacts



photometer.com/a892

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