Oprex™ Analyzers

FLXA402
4-Wire Converter

SA11
SENCOM Smart Adapter
Clean and clear

FieldMate

Bluetooth

IB100 Interface Box

Um33a-s Indicator

Optimized OPEX

Wiring cost reduction

Smart data gathering: Historical data, calibration reports and predictive maintenance are realized by FieldMate software

SD card for easy data transfer and remote service, depth process analysis

Advanced Flexibility

Covering various communication

Multiple connection options available in portfolio platform

(multi-channel 4-wire, SENSTATION, Modbus to PLC/DCS-standalone unit)

Easy upgrade from analog to digital SMART

Multiple-input allows connection of PH/SC/DO sensors* at one time

*Digital 4 inputs (pH/SC), Analog 2 inputs (pH/SC/DO/ISC)

Increased measurement availability by hot swap of pre-calibrated sensor

Real time sensor diagnostics immediate action before measurement failure reduce down time and improve process uptime

Safety First

Environmental friendly

When a sensor needs to be replaced there is no need to throw away the smart electronics. Only the consumable sensor portion is disposed of.

Good usability and visibility

Supports Multi-Language

Easy quick start setup and configuration from tablet through Bluetooth

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## Specifications

### FLXA402 4-Wire Converter

<table>
<thead>
<tr>
<th>Measurement Object / Sensor Type</th>
<th>pH/Oxidation-reduction Potential (pH/ORP)</th>
<th>Ambient operating temperature</th>
<th>Output signal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Conductivity (SC)</td>
<td>-20 to +55°C</td>
<td>4 to 20 mA DC</td>
</tr>
<tr>
<td></td>
<td>Inductive Conductivity (ISC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dissolved Oxygen (DO)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Optical Dissolved Oxygen Sensor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Housing</td>
<td>Aluminum die casting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outline dimensions</td>
<td>165 (W) x 165 (H) x 168.5 (D) mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>Max. 3.0 kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>QVGA color LCD with touch screen</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Message language : 11 (English, Chinese, Czech, French, German, Italian, Japanese, Korean, Portuguese, Russian and Spanish)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SA11 SENCOM Smart Adapter

<table>
<thead>
<tr>
<th>Sensor Connection</th>
<th>8 pins Variopin female connector</th>
<th>Ambient operating temperature</th>
<th>Output signal</th>
<th>Case material</th>
<th>Dimensions</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>-30 to +125°C</td>
<td>RS485 (MODBUS RTU)</td>
<td>SS316L</td>
<td>φ21 x 122 mm</td>
<td>Direct: on top of analogue sensor using Variopin connection, Indirect: Optional Pipe and Wall mounting hardware (UM) and WE10 interconnection cable</td>
</tr>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

### Power supply

<table>
<thead>
<tr>
<th>Power supply</th>
<th>FLXA402-A</th>
<th>FLXA402-D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acceptable range</td>
<td>90 to 264 V AC</td>
<td>10.8 to 26.4 V DC</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>Max. 35 VA</td>
<td>Power Consumption: 15 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>NAMUR NE21: DC power is restricted below Acceptable range: 21.6 to 26.4 V DC Power Consumption: 15 W</td>
</tr>
</tbody>
</table>

### Ambient operating temperature

-30 to +125°C

### Output signal

4 to 20 mA DC, HART, Bluetooth, RS485 (MODBUS RTU), Ethernet (MODBUS TCP)

### Communication

HART, Bluetooth, RS485 (MODBUS RTU), Ethernet (MODBUS TCP)

### Mounting

Pipe, wall or panel mounting

### Case material

SS316L

### Dimensions

φ21 x 122 mm

### Direct mounting

Direct: on top of analogue sensor using Variopin connection
Indirect: Optional Pipe and Wall mounting hardware (UM) and WE10 interconnection cable

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