



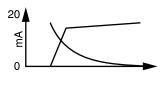


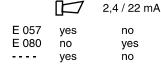
- For use with the Model OUS31 or OUS41 turbidity/ suspended solids sensor
- Available in panel mount (223) or NEMA 4X/ IP65 rated field mount housing (253)
- Turbidity measurement displayed in FNU/NTU, PPM, g/l, or % suspended solids
- Logically arranged menu structure
- Large, two-line display simultaneously indicates measured value and temperature
- Intuitive calibration procedure
- Programmable automatic sensor wipe feature
- Continuous sensor diagnostics
- Choose up to 4 contacts for use as:
  - Limit contacts
  - P(ID) control
  - Timed outputs for simple cleaning
  - Chemical cleaning processes
- Optional 2nd current output for temperature
- HART® communication

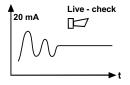
To achieve high resolution in specific measurement ranges, the current output can be defined to accommodate non-linear process response.

Dedicated alarm contact and error current output can be independently configured based upon application

"Live Check" feature ensures system is continuously active and monitoring the process







| Input  | Measured parameters   | Turbidity / suspended solids, temperature  |  |  |  |
|--|---|--|--|--|--|
| Digital Inputs 1   | Voltage   | 10 50 V  |  |  |  |
| And 2  | Current consumption   | max. 10 mA   |  |  |  |
| Temperature  | Temperature sensor  | NTC, 30 kΩ at 25 °C  |  |  |  |
| Measurement  | Measuring range -5 to 70 °C (23 to 158 °F)  |  |  |  |  |
|  | Temperature offset range  | ±5 °C  |  |  |  |
| Suspended<br>Solids  | Display and measuring range   | 0.00 9999 FNU/NTU, 0.00 9999 ppm, 0.0<br>300.0 g/l, 0.0 200.0 %  |  |  |  |
| Measurement  | Resolution with OUS41   | 0.01 FNU/NTU, 0.01 ppm, 0.1 g/l, 0.1 %   |  |  |  |
| With OUS41   | Deviation of indication   | ±2 % of meas. value (min. 0.02 FNU/NTU)  |  |  |  |
|  | Repeatability   | ±1 % of meas. value (min. 0.01 FNU/NTU)  |  |  |  |
|  | Turbidity offset range  | ±99.99 FNU/NTU, ±99.99 ppm, ± 99.9 g/l, ±99.9 %  |  |  |  |
| Measurement With OUS31   | Display and measuring range   | 0.00 9999 FNU, 0.00 3000 ppm, 0.0 3.0 g/l, 0.0 200.0 %   |  |  |  |
| mai cocor  | Resolution with OUS31   | 0.001 FNU, 0.01 ppm, 0.1 g/l, 0.1 %  |  |  |  |
|  | Deviation of indication   | ±2 % of meas. value (min. 0.02 FNU/NTU)  |  |  |  |
|  | Repeatability   | ±1 % of meas. value (min. 0.01 FNU/NTU)  |  |  |  |
|  | Turbidity offset range  | ±99.99 FNU/NTU, ±99.99 ppm, ± 99.9 g/l, ±99.9 %  |  |  |  |
| Signal Input   | Sensor interface  | digital  |  |  |  |
| For Turbidity  |   |  |  |  |  |
| / Suspended  | May longth of cable to concer   | 200 m / 656 #  |  |  |  |
| Solids /   | Max. length of cable to sensor  | 200 m / 656 ft   |  |  |  |
| Temperature  |   |  |  |  |  |
| Signal Output  | Current range   | 0 / 4 20 mA, galvanically isolated; error current 2.4  |  |  |  |
| For Turbidity  |   | / 22 mA  |  |  |  |
| / Suspended  | Load  | max. 500Ω  |  |  |  |
|  | Output range adjustable, min. $\Delta$ 0.1 FNU, $\Delta$ 1 ppm, $\Delta$ 1 g/l,   |  |  |  |  |
| Solids   |   | adjustable, min. Δ 0.1 FNU, Δ 1 ppm, Δ1 g/l, Δ0.1%   |  |  |  |
| Solids   | Measurement deviation, turbidity signal output  | 1% of current output range (min. 0.02 FNU)   |  |  |  |
| Solids   | Measurement deviation, turbidity signal output Isolation voltage  | 1% of current output range (min. 0.02 FNU) max. 350 V <sub>ms</sub> / 500 V DC   |  |  |  |
| Solids   | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection   | 1% of current output range (min. 0.02 FNU) max. 350 V <sub>ms</sub> / 500 V DC To EN 61000—4-5: 1995   |  |  |  |
| Temperature  | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range   | 1% of current output range (min. 0.02 FNU) max. 350 V <sub>ms</sub> / 500 V DC To EN 61000—4-5: 1995 0 / 4 20 mA, galvanically isolated  |  |  |  |
| Temperature<br>Signal Output   | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load  | 1% of current output range (min. 0.02 FNU) max. 350 V $_{\rm ms}$ / 500 V DC To EN 61000—4-5: 1995 0 / 4 20 mA, galvanically isolated max. 500Ω  |  |  |  |
| Temperature  | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range   | 1% of current output range (min. 0.02 FNU) max. 350 V $_{\rm ms}$ / 500 V DC To EN 61000—4-5: 1995 0 / 4 20 mA, galvanically isolated max. 500Ω Adjustable, $\Delta$ 10 $\Delta$ 100 % of upper range value  |  |  |  |
| Temperature<br>Signal Output   | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage   | 1% of current output range (min. 0.02 FNU) max. $350  \rm V_{ms}  /  500  \rm V  DC$ To EN $61000-4-5$ : $1995$ 0 / 4 20 mA, galvanically isolated max. $500\Omega$ Adjustable, $\Delta  10  \ldots  \Delta  100  \%$ of upper range value max. $350  \rm V_{ms}  /  500  V  DC$   |  |  |  |
| Temperature<br>Signal Output   | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection  | 1% of current output range (min. 0.02 FNU) max. $350 \text{ V}_{ms} / 500 \text{ V DC}$ To EN 61000—4-5: 1995 0 / 4 20 mA, galvanically isolated max. $500\Omega$ Adjustable, $\Delta$ 10 $\Delta$ 100 % of upper range value max. $350 \text{ V}_{ms} / 500 \text{ V DC}$ To EN 61000—4-5: 1995   |  |  |  |
| Temperature<br>Signal Output<br>(Optional)<br>Auxiliary Voltage  | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage   | 1% of current output range (min. 0.02 FNU) max. $350 \text{ V}_{\text{ms}}$ / $500 \text{ V DC}$ To EN $61000$ —4-5: 1995 0 / 4 20 mA, galvanically isolated max. $500\Omega$ Adjustable, $\Delta$ 10 $\Delta$ 100 % of upper range value max. $350 \text{ V}_{\text{ms}}$ / $500 \text{ V DC}$ To EN $61000$ —4-5: 1995 15 V± 0.6 V   |  |  |  |
| Temperature<br>Signal Output<br>(Optional)<br>Auxiliary Voltage<br>Output  | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage Output current  | 1% of current output range (min. 0.02 FNU) max. $350  \rm V_{ms}  /  500  \rm V  DC$ To EN $61000$ —4-5: $1995$ $0  /  4  \ldots  20$ mA, galvanically isolated max. $500\Omega$ Adjustable, $\Delta  10  \ldots  \Delta 100  \%$ of upper range value max. $350  \rm V_{ms}  /  500  V  DC$ To EN $61000$ —4-5: $1995$ $15  \rm V \pm  0.6  V$ max. $30  \rm mA$  |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs   | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage Output voltage Output current Switching current with resistive load   | 1% of current output range (min. 0.02 FNU) max. $350 \text{ V}_{\text{ms}}$ / $500 \text{ V DC}$ To EN $61000$ —4-5: 1995 0 / 4 20 mA, galvanically isolated max. $500\Omega$ Adjustable, $\Delta$ 10 $\Delta$ 100 % of upper range value max. $350 \text{ V}_{\text{ms}}$ / $500 \text{ V DC}$ To EN $61000$ —4-5: 1995 15 V± 0.6 V   |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free                                       | Measurement deviation, turbidity signal output Isolation voltage  Overvoltage (lightning) protection  Current range  Load  Output range  Isolation voltage  Overvoltage (lightning) protection  Output voltage  Output voltage  Output current  Switching current with resistive load ( $\cos \varphi = 1$ )  | 1% of current output range (min. 0.02 FNU) max. $350 \text{ V}_{ms}$ / $500 \text{ V DC}$ To EN $61000$ —4-5: $1995$ 0 / 4 20 mA, galvanically isolated max. $500\Omega$ Adjustable, $\Delta$ 10 $\Delta$ 100 % of upper range value max. $350 \text{ V}_{ms}$ / $500 \text{ V DC}$ To EN $61000$ —4-5: $1995$ 15 V± 0.6 V max. $30 \text{ mA}$  |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free Changeover                            | Measurement deviation, turbidity signal output Isolation voltage  Overvoltage (lightning) protection  Current range  Load  Output range Isolation voltage  Overvoltage (lightning) protection  Output voltage  Output voltage  Output current  Switching current with resistive load  ( $\cos \varphi = 1$ )  Switching current with inductive load   | $1\% \ \text{of current output range (min. 0.02 FNU)}$ $max. 350 \ V_{ms} \ / \ 500 \ V \ DC$ $To EN 61000 - 4-5: 1995$ $0 \ / \ 4 \ \ 20 \ mA, \ galvanically isolated$ $max. 500 \Omega$ $Adjustable, \Delta 10 \ \Delta 100 \ \% \ \text{of upper range value}$ $max. \ 350 \ V_{ms} \ / \ 500 \ V \ DC$ $To EN 61000 - 4-5: 1995$ $15 \ V \pm \ 0.6 \ V$ $max. \ 30 \ mA$  |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free                                       | Measurement deviation, turbidity signal output Isolation voltage  Overvoltage (lightning) protection  Current range  Load  Output range  Isolation voltage  Overvoltage (lightning) protection  Output voltage  Output voltage  Output current  Switching current with resistive load ( $\cos \varphi = 1$ )  Switching current with inductive load ( $\cos \varphi = 0.4$ )  | 1% of current output range (min. 0.02 FNU) max. $350 \text{ V}_{ms}$ / $500 \text{ V DC}$ To EN $61000$ —4-5: $1995$ 0 / 4 20 mA, galvanically isolated max. $500\Omega$ Adjustable, $\Delta$ 10 $\Delta$ 100 % of upper range value max. $350 \text{ V}_{ms}$ / $500 \text{ V DC}$ To EN $61000$ —4-5: $1995$ 15 V± 0.6 V max. 30 mA max. 2 A   |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free Changeover                            | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage Overvoltage (lightning) protection Output voltage Output current Switching current with resistive load ( $\cos \varphi = 1$ ) Switching current with inductive load ( $\cos \varphi = 0.4$ ) Switching voltage  | 1% of current output range (min. 0.02 FNU)  max. 350 V ms / 500 V DC  To EN 61000—4-5: 1995  0 / 4 20 mA, galvanically isolated  max. 500Ω  Adjustable, Δ 10 Δ100 % of upper range value  max. 350 V ms / 500 V DC  To EN 61000—4-5: 1995  15 V± 0.6 V  max. 30 mA  max. 2 A  max. 2 A  max. 2 So V AC, 30 V DC  |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free Changeover                            | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage Output voltage Output current Switching current with resistive load ( $\cos \varphi = 1$ ) Switching current with inductive load ( $\cos \varphi = 0.4$ ) Switching voltage Switching power with resistive load ( $\cos \varphi = 1$ )  | 1% of current output range (min. 0.02 FNU)  max. 350 V ms / 500 V DC  To EN 61000—4-5: 1995  0 / 4 20 mA, galvanically isolated  max. 500Ω  Adjustable, Δ 10 Δ100 % of upper range value  max. 350 V s / 500 V DC  To EN 61000—4-5: 1995  15 V± 0.6 V  max. 30 mA  max. 2 A  max. 2 A  max. 250 V AC, 30 V DC  max. 1250 VA AC, 150 W DC   |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free Changeover                            | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage Overvoltage (lightning) protection Output voltage Output current Switching current with resistive load ( $\cos \varphi = 1$ ) Switching current with inductive load ( $\cos \varphi = 0.4$ ) Switching voltage Switching power with resistive load  | 1% of current output range (min. 0.02 FNU)  max. 350 V ms / 500 V DC  To EN 61000—4-5: 1995  0 / 4 20 mA, galvanically isolated  max. 500Ω  Adjustable, Δ 10 Δ100 % of upper range value  max. 350 V ms / 500 V DC  To EN 61000—4-5: 1995  15 V± 0.6 V  max. 30 mA  max. 2 A  max. 2 A  max. 2 So V AC, 30 V DC  |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free Changeover                            | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage Overvoltage (lightning) protection Output voltage Output current Switching current with resistive load ( $\cos \varphi = 1$ ) Switching current with inductive load ( $\cos \varphi = 0.4$ ) Switching voltage Switching power with resistive load ( $\cos \varphi = 1$ ) Switching power with inductive load   | 1% of current output range (min. 0.02 FNU)  max. 350 V ms / 500 V DC  To EN 61000—4-5: 1995  0 / 4 20 mA, galvanically isolated  max. 500Ω  Adjustable, Δ 10 Δ100 % of upper range value  max. 350 V s / 500 V DC  To EN 61000—4-5: 1995  15 V± 0.6 V  max. 30 mA  max. 2 A  max. 2 A  max. 250 V AC, 30 V DC  max. 1250 VA AC, 150 W DC   |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free Changeover Contacts)                  | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage Overvoltage (lightning) protection Output voltage Output current Switching current with resistive load ( $\cos \varphi = 1$ ) Switching current with inductive load ( $\cos \varphi = 0.4$ ) Switching voltage Switching power with resistive load ( $\cos \varphi = 1$ ) Switching power with inductive load ( $\cos \varphi = 0.4$ ) Switching power with inductive load ( $\cos \varphi = 0.4$ )                     | 1% of current output range (min. 0.02 FNU)  max. 350 V ms / 500 V DC  To EN 61000—4-5: 1995  0 / 4 20 mA, galvanically isolated  max. 500Ω  Adjustable, Δ 10 Δ100 % of upper range value  max. 350 V s / 500 V DC  To EN 61000—4-5: 1995  15 V± 0.6 V max. 30 mA  max. 2 A  max. 2 A  max. 2 A  max. 2 So V AC, 30 V DC  max. 1250 VA AC, 150 W DC   |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free Changeover Contacts)                  | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage Output voltage Output current Switching current with resistive load ( $\cos \varphi = 1$ ) Switching current with inductive load ( $\cos \varphi = 0.4$ ) Switching power with resistive load ( $\cos \varphi = 1$ ) Switching power with inductive load ( $\cos \varphi = 0.4$ ) Switching power with inductive load ( $\cos \varphi = 0.4$ ) Limit adjustment range   | 1% of current output range (min. 0.02 FNU)  max. 350 V ms / 500 V DC  To EN 61000—4-5: 1995  0 / 4 20 mA, galvanically isolated  max. 500Ω  Adjustable, Δ 10 Δ100 % of upper range value  max. 350 V s / 500 V DC  To EN 61000—4-5: 1995  15 V± 0.6 V  max. 30 mA  max. 2 A  max. 2 A  max. 2 A  max. 250 V AC, 30 V DC  max. 1250 VA AC, 150 W DC  0 20 mg/l or 0 200 % SAT   |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free Changeover Contacts)  Limit Contactor | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage Output current Switching current with resistive load ( $\cos \varphi = 1$ ) Switching current with inductive load ( $\cos \varphi = 0.4$ ) Switching power with resistive load ( $\cos \varphi = 1$ ) Switching power with inductive load ( $\cos \varphi = 0.4$ ) Switching power with inductive load ( $\cos \varphi = 0.4$ ) Limit adjustment range Pickup / dropout delay   | 1% of current output range (min. 0.02 FNU) max. 350 V ms / 500 V DC To EN 61000—4-5: 1995 0 / 4 20 mA, galvanically isolated max. 500Ω Adjustable, Δ 10 Δ100 % of upper range value max. 350 V s / 500 V DC To EN 61000—4-5: 1995 15 V± 0.6 V max. 30 mA max. 2 A  max. 2 A  max. 2 A  max. 250 V AC, 30 V DC  max. 1250 VA AC, 150 W DC  0 20 mg/l or 0 200 % SAT 0 7200 s  |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free Changeover Contacts)  Limit Contactor | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage Overvoltage (lightning) protection Output voltage Output current Switching current with resistive load ( $\cos \varphi = 1$ ) Switching current with inductive load ( $\cos \varphi = 0.4$ ) Switching voltage Switching power with resistive load ( $\cos \varphi = 1$ ) Switching power with inductive load ( $\cos \varphi = 0.4$ ) Limit adjustment range Pickup / dropout delay Function (adjustable)              | 1% of current output range (min. 0.02 FNU)  max. 350 V ms / 500 V DC  To EN 61000—4-5: 1995  0 / 4 20 mA, galvanically isolated  max. 500Ω  Adjustable, Δ 10 Δ100 % of upper range value  max. 350 V s / 500 V DC  To EN 61000—4-5: 1995  15 V± 0.6 V  max. 30 mA  max. 2 A  max. 2 A  max. 2 A  max. 2 So V AC, 30 V DC  max. 1250 VA AC, 150 W DC  0 20 mg/l or 0 200 % SAT  0 7200 s  Pulse length / pulse frequency controller |  |  |  |
| Temperature Signal Output (Optional)  Auxiliary Voltage Output Contact Outputs (Potential-free Changeover Contacts)  Limit Contactor | Measurement deviation, turbidity signal output Isolation voltage Overvoltage (lightning) protection Current range Load Output range Isolation voltage Overvoltage (lightning) protection Output voltage Output current Switching current with resistive load ( $\cos \varphi = 1$ ) Switching current with inductive load ( $\cos \varphi = 0.4$ ) Switching power with resistive load ( $\cos \varphi = 1$ ) Switching power with inductive load ( $\cos \varphi = 0.4$ ) Switching power with inductive load ( $\cos \varphi = 0.4$ ) Limit adjustment range Pickup / dropout delay Function (adjustable) Controller response | 1% of current output range (min. 0.02 FNU) max. 350 V ms / 500 V DC To EN 61000—4-5: 1995 0 / 4 20 mA, galvanically isolated max. 500Ω Adjustable, Δ 10 Δ100 % of upper range value max. 350 V s / 500 V DC To EN 61000—4-5: 1995 15 V± 0.6 V max. 30 mA max. 2 A  max. 2 A  max. 2 A  max. 250 V AC, 30 V DC  max. 1250 VA AC, 150 W DC  0 20 mg/l or 0 200 % SAT 0 7200 s  Pulse length / pulse frequency controller PID         |  |  |  |

## Specifications (cont.)

| Alarm          | Function (switchable)                            | latching / momentary contact                           |
|----------------|--|--|
|                | Alarm threshold adjustment range                 | O <sub>2</sub> / temperature: complete measuring range |
|                | Alarm delay                                      | 2 2000 s   |
|                | Monitoring time for lower limit violation        | 0 2000 min   |
|                | Monitoring time for upper limit violation        | 0 2000 min   |
| Temperature    | Resolution                                       | 0.1 °C (0.18 °F)                                       |
| Measurement    | Deviation of indication                          | max. 1.0 % of measurement range                        |
|                | Measurement deviation, temperature signal output | max. 1.25 % of current output range                    |
| Ambient        | Ambient temperature                              | -10 to 55 °C (14 to 131 °F)                            |
| conditions     | (nominal operating conditions)                   | 00 to 00 %0 ( 4 to 440 %5)                             |
|                | Ambient temperature (limit operating conditions) | -20 to 60 °C (-4 to 140 °F)                            |
|                | Storage and transport temperature                | –25 to 65 °C (-13 to 149 °F)                           |
|                | Relative humidity                                | 10 95 %, non-condensing                                |
|                | (nominal operating conditions)                   |  |
|                | Protection class of panel mounted unit           | IP54 (front), IP 30 (housing)                          |
|                | Protection class of field mounted unit           | IP65, NEMA 4X  |
|                | Electromagnetic compatibility                    | Interference emission and immunity to EN 61326-2: 1998 |
| Physical Data/ | Dimensions of panel mounted unit                 | 96 × 96 × 145 mm (3.8 × 3.8 × 5.7 inch)                |
| Design         | (H × W × D)                                      |  |
|                | Mounting depth                                   | approx. 165 mm (6.5 inch)                              |
|                | Dimensions of field mounted unit<br>(H × W × D)  | 247 × 170 × 115 mm (9.7 × 6.7 × 4.5 inch)              |
|                | Weight of panel mounted unit                     | max. 0.7 kg (1.5 lbs)                                  |
|                | Weight of field mounted unit                     | max. 2.3 kg (5.1 lbs)                                  |
|                | Display  | LCD, two lines, five and nine digits, with status      |
|                |  | indicators   |

## OYA611





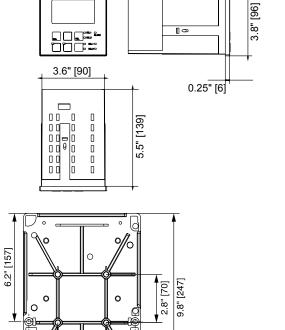


0.4" [11]

> 4.5" [115]

Field Mounting Unit

E - 00 Miles W



2.8" [70]

6.1" [154]

6.7" [170]

**Dimensions** 

**Order Code** 

| OU M         |     | <b>T</b> U              |                             |                                       |      | (select from below for complete order code) |
|--------------|-----|-------------------------|-----------------------------|---------------------------------------|------|---|
|              |     | Analyzer Type           |                             |                                       |      |   |
|              | 223 | 1/4 DIN panel mount     |                             |                                       |      |   |
|              | 253 | NEMA 4X/IP65 ield mount |                             |                                       |      |   |
|              |     | Power Supply            |                             |                                       |      |   |
| 0 230        |     | 230 \                   | 230 Vac                     |                                       |      |   |
| <b>1</b> 115 |     | 115 ∖                   | 115 Vac                     |                                       |      |   |
|              |     | 8 24 Vac/dc             |                             |                                       |      |   |
|              |     |                         | Measurement Output          |                                       |      |   |
|              |     | <b>0</b> T              |                             | Turbi                                 | dity |   |
| 1            |     | 1                       | 1 Turbidity and temperature |                                       |      |   |
| 5            |     | 5                       | Turbidity with HART         |                                       |      |   |
|              |     |                         |                             | 6 Turbidity with temperature and HART |      |   |
|              |     |                         |                             |                                       |      | Relay Output                                |
|              |     |                         |                             |                                       | 05   | Fault Alarm Only                            |
|              |     |                         |                             |                                       | 10   | 2 relays (Limit/PID/Timer)                  |
|              |     |                         |                             |                                       | 16   | 4 relays (Limit/PID/Timer)                  |

| Part No. | Accessories                                 |  |  |
|----------|---|--|--|
| 50086842 | Post mounting kit for field analyzer        |  |  |
| OYY-101A | Weather protection cover for field analyzer |  |  |