

IQ SENSOR NET DIQ 282

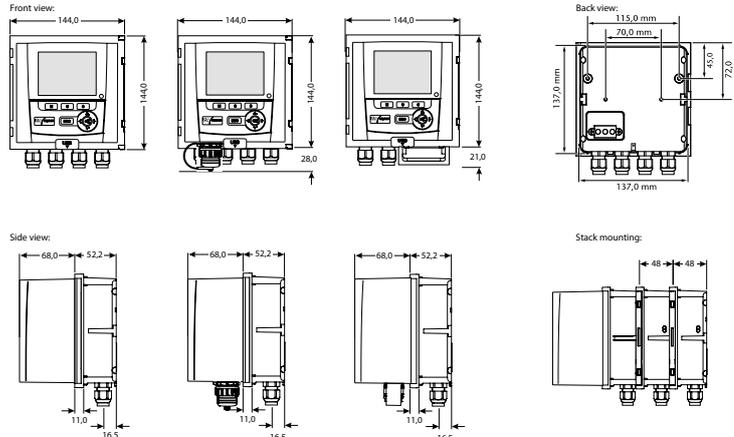


Controller for small and mid-sized wastewater treatment plants including USB-interface and internal data logger- up to 2 sensors, all parameters, available anytime

We would like to inform you about the application range on our website



Technical Data



| | |
|---|--|
| Model | Controller DIQ/S 282 |
| Max. number of sensors | 2 |
| IQ SENSOR NET connections | DIQ/S 282-CR3(-E) (/24V) 1; all others 2 |
| Outputs | 3 x (0) 4 ... 20 mA, 3 x Relays, Ethernet interface for remote access, Ethernet fieldbusses PROFIBUS or Modbus RTU (options see scopes of delivery) |
| Display | Graphic TFT Display; Resolution: 320 x 240 pixel; backlight |
| Control Functions/ Function Keys | 5 operating keys: measurement (M), calibration (C), set/system settings (S), 3 master keys for functions: 2 keys for: confirmation/switching menu O.K. (OK), escape (ESC) Arrow keys for rapid selection of software functions and input of alpha-numeric values (up), (down) |
| Electric Supply | 100 ... 240 VAC (50/60 Hz), 24 V AC/DC |
| MIQ Module Coupling at Rear | Combined mechanical and electrical connection, for rapid coupling to MIQ modules, up to 3 modules as a stack mounted unit possible |
| Cable Feeds | 4 screw cable glands M 16 x 1.5 (expandable to M 20 if required) |
| Terminal Connections | Screw terminal strips; Terminal area for solid conductors: 0.2 ... 4.0 mm ² Terminal area for flexible conductors: 0.2 ... 2.5 mm ² ; accessible by opening cover |
| IQ SENSOR NET Terminal Connections | Terminal connections for the IQ SENSOR NET for connecting sensors |
| Ambient Conditions | Operating temperature: -4 °F ... 131 °F (-20 °C ... +55 °C); Storage temperature: -13 °F ... 149 °F (-25 °C ... +65 °C) |
| Housing Material | PC - 20 % GF (polycarbonate with 20 % fiberglass) |
| Protection Rating | IP 67 / corresponding to NEMA 4X (not for direct conduit connections). Conduits need to be connected with flexible adapters (CC-Box), respectively with adapters CC-PM.. |
| Dimensions (W x H x D) | 144 x 144 x 125 mm (5.67 x 5.67 x 4.92 in.) |
| Weight | Approx. 1,2 kg (2.6 pounds) |
| Certifications | CE |
| Electromagnetic Compatibility | EN 61326-1, Class A; FCC Class A |
| Integrated Overvoltage Protection | According to EN 61326-1 enhanced overvoltage protection for the entire system |
| Connection Medium Cable | IQ SENSOR NET cable SNCIQ or SNCIQ/UG (underground cable with additional PVC coating): 2-wire with shield; 2 x 0.75 mm ² ; filler cord for easy connection of shield: 0.75 mm ² ; pressure resistant to 10 bar |
| Connection Characteristics | Power supply and data transmission on these wires; resistant to polarity reversal with respect to switched shield and inner conductor (no damage); comprehensive EMC shield control; Cable topology within the IQ SENSOR NET system as required, e.g. in the form of a line, tree, star; total cable length max. 250 m (273 yds) |
| Warranty | 3 years for defects of quality |

| Model | Description | Order No. |
|------------------------|--|-----------|
| DIQ/S 282-CR3 | Controller for up to 2 IQ sensors, with 3 Relays, with 3 mA-outputs, 100 ... 240 VAC | 472110 |
| DIQ/S 282-PR | Controller for up to 2 IQ sensors, with 3 Relays, with PROFIBUS-interface (RS 485), 100 ... 240 VAC | 472111 |
| DIQ/S 282-MOD | Controller for up to 2 IQ sensors, with 3 Relays, with MODBUS-interface (RS 485), 100 ... 240 VAC | 472112 |
| DIQ/S 282-CR3-E | Controller for up to 2 IQ sensors, with 3 Relays, with 3 mA-outputs, with Ethernet-interface (RJ 45) for network connection, 100 ... 240 VAC | 472113 |
| DIQ/S 282-EF | Controller for up to 2 IQ sensors, with 3 Relays, with Ethernet-interface (RJ 45) for network connection and fieldbuses (Ethernet/IP, Modbus TCP, PROFINET), 100 ... 240 VAC | 472114 |

All versions available for 24 V AC/DC



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IQ SENSOR NET DIQ 284

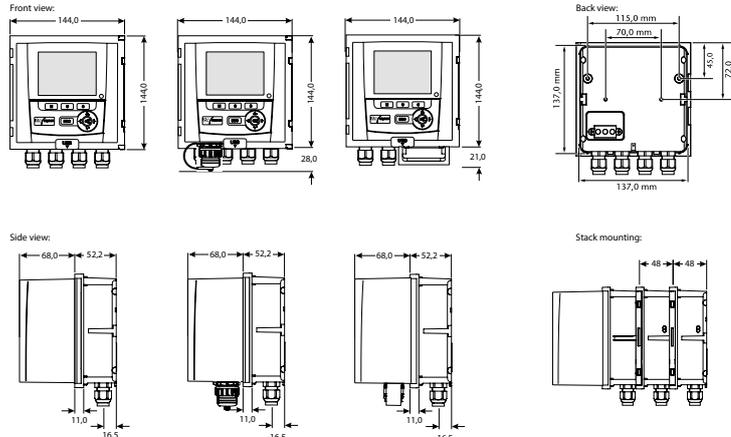


Controller for small and mid-sized wastewater treatment plants including USB-interface and internal data logger- up to 4 sensors, all parameters, available anytime

We would like to inform you about the application range on our website



Technical Data



| | |
|---|--|
| Model | Controller DIQ/S 284 |
| Max. number of sensors | 4 |
| IQ SENSOR NET connections | DIQ/S 284-CR6(-E) (/24V) 3; all others 2 |
| Outputs | 6 x (0) 4 ... 20 mA, 6 x Relays, Ethernet interface for remote access, Ethernet fieldbusses PROFIBUS or Modbus RTU (options see scopes of delivery) |
| Display | Graphic TFT Display; Resolution: 320 x 240 pixel; backlight |
| Control Functions/ Function Keys | 5 operating keys: measurement (M), calibration (C), set/system settings (S), 3 master keys for functions: 2 keys for: confirmation/switching menu O.K. (OK), escape (ESC) Arrow keys for rapid selection of software functions and input of alpha-numeric values (up), (down) |
| Electric Supply | 100 ... 240 VAC (50/60 Hz), 24 V AC/DC |
| MIQ Module Coupling at Rear | Combined mechanical and electrical connection, for rapid coupling to MIQ modules, up to 3 modules as a stack mounted unit possible |
| Cable Feeds | 4 screw cable glands M 16 x 1.5 (expandable to M 20 if required) |
| Terminal Connections | Screw terminal strips; Terminal area for solid conductors: 0.2 ... 4.0 mm ² Terminal area for flexible conductors: 0.2 ... 2.5 mm ² ; accessible by opening cover |
| IQ SENSOR NET Terminal Connections | Terminal connections for the IQ SENSOR NET for connecting sensors |
| Ambient Conditions | Operating temperature: -4 °F ... 131 °F (-20 °C ... +55 °C); Storage temperature: -13 °F ... 149 °F (-25 °C ... +65 °C) |
| Housing Material | PC - 20 % GF (polycarbonate with 20 % fiberglass) |
| Protection Rating | IP 67 / corresponding to NEMA 4X (not for direct conduit connections). Conduits need to be connected with flexible adapters (CC-Box), respectively with adapters CC-PM.. |
| Dimensions (W x H x D) | 144 x 144 x 173 mm (5.67 x 5.67 x 6.81 in.) |
| Weight | Approx. 1,7 kg (3.7 pounds) |
| Certifications | CE |
| Electromagnetic Compatibility | EN 61326-1, Class A; FCC Class A |
| Integrated Overvoltage Protection | According to EN 61326-1 enhanced overvoltage protection for the entire system |
| Connection Medium Cable | IQ SENSOR NET cable SNCIQ or SNCIQ/UG (underground cable with additional PVC coating): 2-wire with shield; 2 x 0.75 mm ² ; filler cord for easy connection of shield: 0.75 mm ² ; pressure resistant to 10 bar |
| Connection Characteristics | Power supply and data transmission on these wires; resistant to polarity reversal with respect to switched shield and inner conductor (no damage); comprehensive EMC shield control; Cable topology within the IQ SENSOR NET system as required, e.g. in the form of a line, tree, star; total cable length max. 250 m (273 yds) |
| Warranty | 3 years for defects of quality |

| Model | Description | Order No. |
|------------------------|--|-----------|
| DIQ/S 284-CR6 | Controller for up to 4 IQ sensors, with 6 Relays, with 6 mA-outputs, 100 ... 240 VAC | 472130 |
| DIQ/S 284-PR | Controller for up to 4 IQ sensors, with 3 Relays, with PROFIBUS-interface (RS 485), 100 ... 240 VAC | 472131 |
| DIQ/S 284-MOD | Controller for up to 4 IQ sensors, with 3 Relays, with MODBUS-interface (RS 485), 100 ... 240 VAC | 472132 |
| DIQ/S 284-CR6-E | Controller for up to 4 IQ sensors, with 6 Relays, with 6 mA-outputs, with Ethernet-interface (RJ 45) for network connection, 100 ... 240 VAC | 472133 |
| DIQ/S 284-EF | Controller for up to 4 IQ sensors, with 3 Relays, with Ethernet-interface (RJ 45) for network connection and fieldbuses (Ethernet/IP, Modbus TCP, PROFINET), 100 ... 240 VAC | 472134 |

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