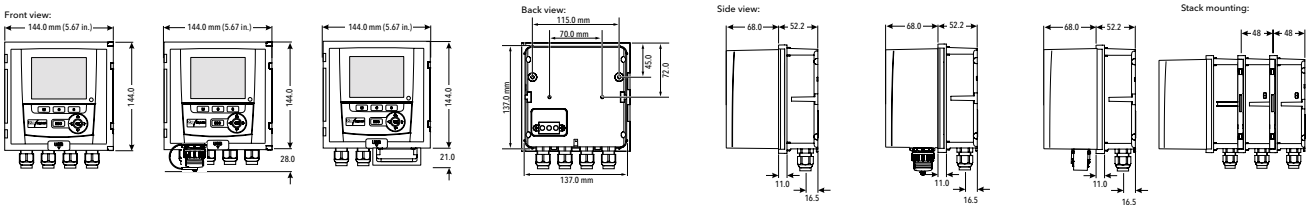
IQ Sensor Net DIQ 284



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



Controller DIQ/S 284-	CR3	CR6	PR	MOD	CR6-E	EF
Max. number of sensors	4					
IQ Sensor Net connections	3	3	2	2	3	2
Outputs	3x (0)4-20 mA, 3x Relays	6x (0) 4-20 mA, 6x Relays	PROFIBUS, 3x Relays	Modbus RTU, 3x Relays	6x (0) 4-20 mA, 6x Relays, RJ45 for remote access	Profinet, Modbus TCP, Ethernet IP, 3x Relays

Display	Graphic TFT Display; Resolution: 320 x 240 pixel; backlit
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 (expansible 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
USB interface	USB-A
Datalogger	Data memory for up to 525,600 data sets
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..
Weight	Approx. 1,7 kg (3.7 pounds)
Certifications	CE, UKCA
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, 100 … 240 VAC, with 6 Relays, with 6 mA-outputs	472130
DIQ/S 284-PR	Like above, but with 3 Relays, with PROFIBUS-interface (RS 485)	472131
DIQ/S 284-MOD	Like above, but with 3 Relays, with MODBUS-interface (RS 485)	472132
DIQ/S 284-CR6-E	Like above, but with 6 Relays, with 6 mA-outputs, with Ethernet-interface (RJ 45) for network connection	472133
DIQ/S 284-EF	Like above, but with 3 Relays, with Ethernet-interface (RJ 45) for network connection and fieldbuses (Ethernet/IP, Modbus TCP, PROFINET)	472134
All versions available for 24 V AC/DC		
DIQ/S 284-CR3	Controller for 4 IQ sensors, with 3 x 0(4)...20 mA, 3 x Relays	472129

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