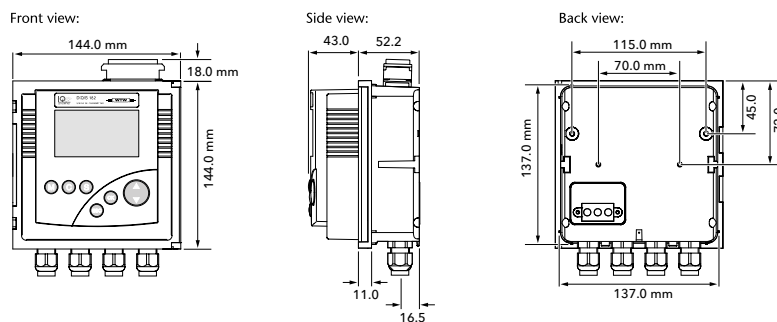


# IQ SENSOR NET DIQ/S 181

The new system 181 – the digital and cost-efficient single parameter measuring point with proven IQ SENSOR NET technology and matching fixed cable sensors

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



## Technical Data

<b>Models</b>	<b>Controller DIQ/S 181(24V)</b>	
<b>Display</b>	Graphic display; resolution: 128 x 64 pixel; visible area: 72 x 40 mm (2.83 x 1.57 in.), black/white, backlit	
<b>Control Functions/ Function Keys</b>	5 operating keys: 3 master keys for functions: measurement (M), calibration (C), set/system settings (S), 2 keys for: confirmation/switching menu O.K. (OK), escape (ESC) 2 knobs for rapid selection of software functions and input of alpha-numeric values (up), (down)	
<b>Cable Feeds</b>	4 screw cable glands M 16 x 1.5	
<b>Terminal Connections</b>	Screw terminal strips Terminal area for solid conductors: 0.2 ... 4.0 mm <sup>2</sup> Terminal area for flexible conductors: 0.2 ... 2.5 mm <sup>2</sup> accessible by opening cover	
<b>IQ SENSOR NET Terminal Connections</b>	Terminal connections for the IQ SENSOR NET for connecting sensors	
<b>Electric Supply</b>	100 ... 240 VAC (50/60 Hz), 24 V AC/DC	
<b>Ambient Conditions</b>	Operating temperature: -4 °F ... 131 °F (-20 °C ... +55 °C); Storage temperature: -13 °F ... 149 °F (-25 °C ... +65 °C)	
<b>Housing Material</b>	PC - 20 % GF (polycarbonate with 20 % fiberglass)	
<b>Protection Rating</b>	IP 66 / corresponding to NEMA 4X (not for direct conduit connections). Conduits need to be connected with flexible adapters (CC-Box), respectively with adapters CC-PM..	
<b>Dimensions (W x H x D)</b>	144 x 144 x 95 mm (5.67 x 5.67 x 3.74 in.)	
<b>Weight</b>	Approx. 2.2 pounds (1 kg)	
<b>Certifications</b>	ETL, cETL (conforms with relevant UL and Canadian standards), CE	
<b>Electromagnetic Compatibility</b>	EN 61326-1, Emission: Class B, FCC Class A	
<b>Integrated Overvoltage Protection</b>	According to EN 61326-1 enhanced overvoltage protection for the entire system	
<b>Connection Characteristics</b>	Energy- and Data transfer via two wire technique, integrated EMC shield control	
<b>Warranty</b>	3 years for defects of quality	

Model	Description	Order No.
<b>DIQ/S 181</b>	Dual IQ/System 181, Universal monitor for the connection of 1 digital IQ fixed cable sensor, with 2 analog outputs (0/4-20 mA) and 3 relays	472100
<b>DIQ/S 181/24V</b>	Like the DIQ/S 181, but for 24 V AC/ DC voltage supply	472101