**Naslov** **: AVTOMATSKI MERILNI SISTEM ZA SPREMLJANJE STANJA OKOLJA**
xoberl **: hoberl**
št. projekta : hoberl_1000
verzija : 1000.5
naslov : Radarski merilnik vodostaja: SolitaxSC1000
vrsta dokumentacije : tehnične specifikacije
arhiv: : 1000_ts_SolitaxSC_SC1000.doc

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| **1.** |  | **MERILNIK MOTNOSTI** | |
| 1.a | PROIZVAJALEC (ANGL. MANUFACTURER) | **Hach & Lange** | |
| 1.b | TIP (ANGL. TYPE) | **TS-Line Solitax sc** | |
| 1.c | **KODA ZA NAROČANJE (ANGL. ORDER CODE)** | **LXV423.99.00100** | |
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| **2.** | IZHODNI PODATKI (ANGL. DATA) | | |
| | | Motnost (angl. turbidity) | |
| | | Koncentracija suspendiranega materiala (angl. suspended solids concentration) | |
| | | | |
| **3.** | MERJENE VELIČINE (ANGL. MEASURED QUANTITIES) | | |
| 3.a | **Motnost (angl. turbidity)** | | |
| 3.a1 | MERILNIK (ANGL.SENSOR) | Optical infrared duo scattered light technique for colour-independent turbidity measurement<br>Turbidity in accordance with DIN EN ISO 7027 / TS equivalent DIN 38414 | |
| 3.a2 | ENOTE (ANGL.UNITS) | FNU/NTU | |
| 3.a3 | TOČNOST MERITVE (ANGL. MEASUREMENT ACCURACY) | Turbidity up to 1000 NTU:<br>- without calibration < 5% of the measured value ±0.01 NTU<br>- with calibration < 1% of the measured value ±0.01 NTU | |
| 3.a4 | MERILNO OBMOČJE (ANGL. MEASUREMENT RANGE) | 0.001 … 4000 FNU/NTU | |
| 3.a5 | ODZIVNI ČAS (ANGL. RESPONSE TIME) | 1s < T(90%) < 300s (programmable) | |
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| 3.b | **Koncentracija suspendiranega materiala (angl. suspended solids concentration)** | | |
| 3.b1 | MERILNIK (ANGL.SENSOR) | Optical infrared duo scattered light technique for colour-independent turbidity measurement<br>Turbidity in accordance with DIN EN ISO 7027 / TS equivalent DIN 38414 | |
| 3.b2 | ENOTE (ANGL.UNITS) | mg/l | |
| 3.b3 | MERILNO OBMOČJE (ANGL. MEASUREMENT RANGE) | 0.001 … 50g/l | |
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| **4.** | POVEZAVA Z BAZNO ENOTO (ANGL. CONNECTION TO BASE UNIT) | | |
| 4.a | PRIKLOPNI KABEL (ANGL. CONNECTION WIRING) | Default 10m, max 100m, 5 pin Binder connector | |
| 4.b | NAPAJANJE (ANGL. POWER SUPPLY) | 12Vdc | |
| 4.c | KOMUNIKACIJSKI VMESNIK (ANGL. COMMUNICATION INTERFACE) | RS485, 9600 8N1, Modbus | |
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| **5.** | SPLOŠNI PODATKI (ANGL. GENERAL DATA) | | |

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| 5.a | DIMENZIJE (ANGL.DIMENSIONS) (L X Ø) | 207mm x 60mm | |
| 5.b | TEŽA (ANGL. WEIGHT) | Approx. 2.5kg | |
| 5.c | MATERIAL (ANGL. MATERIAL) | * housing: Stainless steel<br>* windows: quartz glass | |
| 5.d | OKOLJSKI POGOJI (ANGL. TEMPERATURE RANGE) | 0°C … +40°C | |
| 5.e | TLAK (ANGL. PRESSURE RANGE) | ≤ 6 bar | |
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|---|---|---|---|
| **1.** |  | **BAZNA ENOTA** | |
| 1.a | PROIZVAJALEC (ANGL. MANUFACTURER) | **Hach & Lange** | |
| 1.b | TIP (ANGL. TYPE) | **SC1000** | |
| 1.c | **KODE ZA NAROČANJE (ANGL. ORDER CODE)** | **LXV400.99.20021 (BAZNA ENOTA)**<br>**LXV402.99.00101 (ZASLON)**<br>**LZY598 (LICENCA MODBUS TCP)**<br>**YAB019 (KARTICA Z ANALOGNIMI IZHODI)**<br>**YAB076 (RELEJNA KARTICA)** | |
| | | | |
| **2.** | KOMUNIKACIJA (ANGL. COMMUNICATION) | | |
| | DO NADREJENEGA SISTEMA (ANGL. HIGHER-LEVEL COMMUNICATION) | Ethernet service port, RJ45, 10 MB/s, Modbus TCP (SC1000 as Modbus TCP server) | |
| | DO MERILNIKA MOTNOSTI SOLITAX (ANGL. PROBE LEVEL COMMUNICATION) | Modbus RTU (SC1000 as Modbus Master) | |
| **3.** | OKOLJSKI POGOJI (ANGL. ENVIRONMENT CONDITIONS) | | |
| 3.a | DELOVNA TEMEPRATURA (ANGL. OPERATING TEMPERATURE RANGE) | 0°C … +40°C | |
| 3.b | SKLADIŠČENJE (ANGL. STORAGE CONDITIONS) | -20 … 70 °C (-4 to 158 °F), 0 to 95% relative humidity, non-condensing | |
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| **6.** | SPLOŠNI PODATKI (ANGL. GENERAL DATA) | | |
| 6.a | DIMENZIJE V x š x G (ANGL.DIMENSIONS) | 250 mm x 315 mm x 150 mm | |
| 6.b | TEŽA (ANGL. WEIGHT) | Approx. 6.5 kg | |
| 6.c | MATERIAL (ANGL. MATERIAL) | Display module: ABS<br>Probe (base) unit: Metal enclosure with corrosion resistant finish, IP65 | |
| 6.d | NAPAJANJE (ANGL. POWER SUPPLY) | 100 … 240 VAC | |