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|  | **Rad Hesgar Melal Co.**  **ELECTRICAL CONDUCTIVITY (EC) SENSOR AND TRANSMITTER**  ONLINE ELECTRICAL CONDUCTIVITY METER |
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| --- | --- |
| FEATURES   * Compact design with internal transmitter * Online & real-time measurement * High accuracy * Electromagnetic isolation * Strong resistance to corrosion * Polarization resistance * Digital/Analog output * 316L stainless steel electrode | APPLICATIONS   * Environmental protection * Aquaculture * Water source monitoring * Environmental monitoring * Sewage treatment |

**TECHNICAL SPECIFICATION**

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| --- | --- |
| Description | Explanations |
| Measuring medium | Liquid |
| Principle | Frequency conversion method |
| Temperature compensation | Automatic |
| Range | 0 ~ 20 mS/cm (any range of 0-300 mS/cm can  be customized, 1ms/cm = 1000µS/cm) |
| Supply | 12 ~ 30 VDC (power consumption<0.2W) |
| Accuracy | ±3% |
| Response time | 1s |
| Output Signal | Modbus RS485  4-20 mA  (Depends on customer order) |
| Electrode | 316L stainless steel |
| Operating temperature | -5 ~ +65 (̊C) |
| Probe material | 316L and ABS |
| Ingress protection | Probe: IP68  Body: IP65 |
| Cable length | Default:2m |

**WIRING DIAGRAM for Modbus-RS485 output**



**WIRING DIAGRAM for 4-20 mA output**



**DEMENSIONS (in mm)**

