

IP65
**4-20 mA
0-10 V**
**RS485
Modbus**


Lumber moisture transmitter E2353

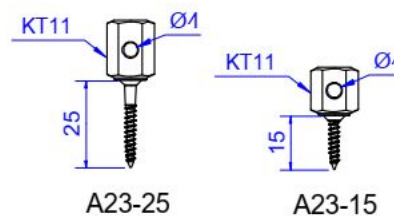
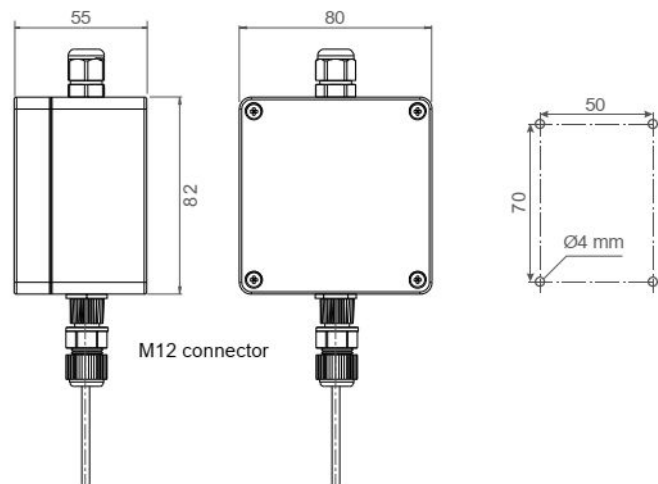


Features

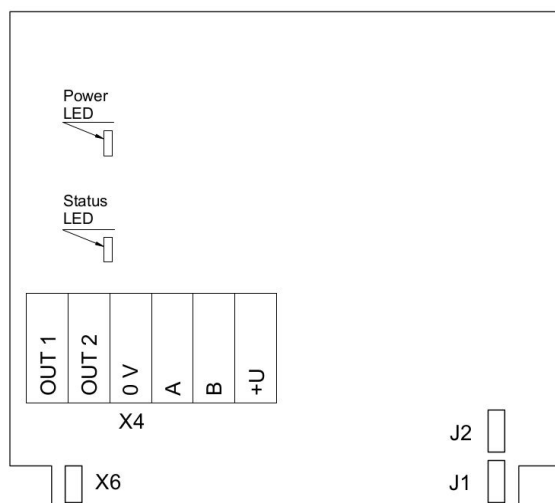
- Robust stainless screw electrodes
- Automatic temperature compensation
- 0-10 V and 4-20 mA outputs
- RS485 Modbus RTU interface

Specifications

Measurement method	Conductivity measurement with screw electrodes
Measurement range	7...20 %H ₂ O
Resolution	0,01 %H ₂ O
Accuracy	< ±1 %H ₂ O
Response time	~15 seconds
Power supply	12...36 VDC (default) 24 VAC as option
Power consumption	< 0,5 W
Digital interface	RS485, Modbus RTU protocol
Analog outputs	2 × 4-20 mA / 0-10 V, user settable
Fieldbus interface	RS485, Modbus RTU protocol
Enclosure	Grey ABS, wall mount, protection class IP65
Dimensions	H82 × W80 × D55 mm
Operating conditions	-40...+85 °C, 0...100 %RH
Cable connection	Industrial M12 connector, IP68
Electrode cable	FEP insulated, -50...+200 °C, Thermocompensated, 2 connectors Ø4 mm, L5/10/15 m
Screw electrodes	Stainless steel, hex KT11, hole Ø4 mm for connector length 15 / 25 mm



Connection diagram



PCB without PSU and relays

Jumpers

J1

OUT1 type (open: 4-20 mA; closed 0-10 V)

J2

OUT2 type (open: 4-20 mA; closed 0-10 V)

X6

Reset Modbus network parameters to default

X4 terminals

OUT1

4-20 mA / 0-10 V output

OUT2

4-20 mA / 0-10 V output

0V

0 V / 24 VAC Neutral (optional)

A

RS485 A / Data +

B

RS485 B / Data -

+U

+24 VDC / 24 VAC Phase (optional)



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