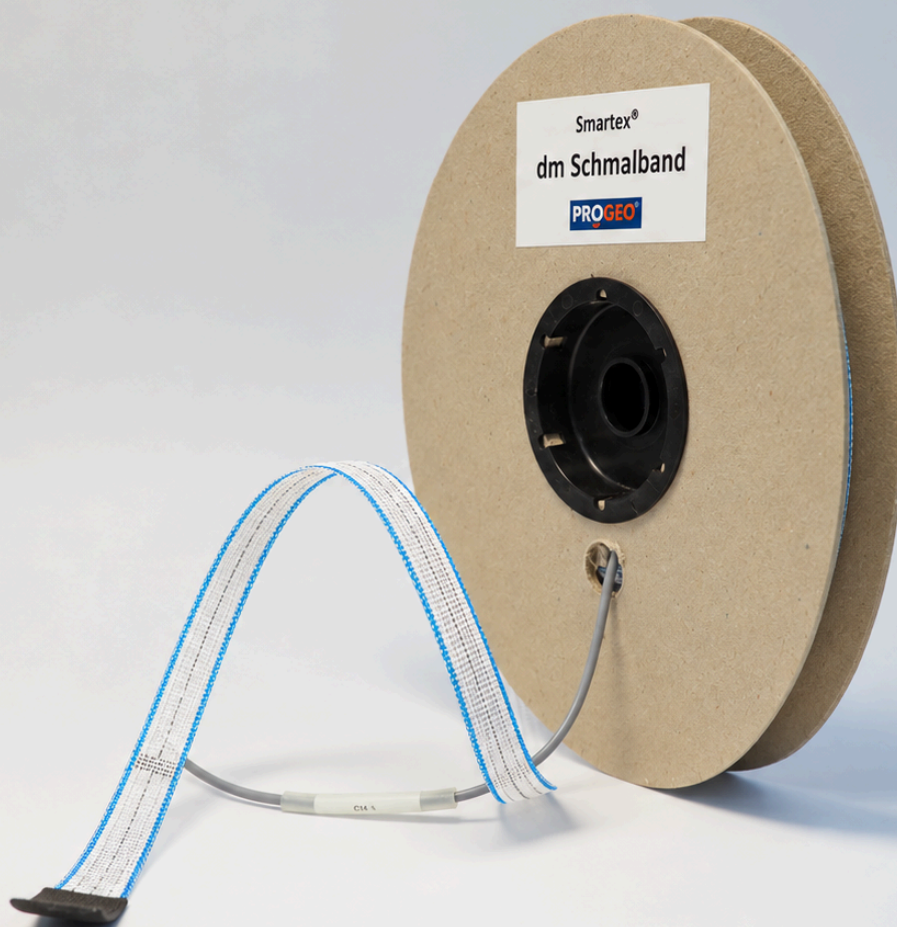


TAPE SENSOR — MOISTURE DETECTION

smartex[®] dm SB TEX

Linear sensor for detecting moisture in interior spaces.



The sensor

Construction, connection and supply form

The smartex® dm Schmalband sensor is a linear sensor for detecting moisture in interior spaces. The narrow tape sensor consists of a rot-resistant plastic mesh with integrated stainless steel sensor wires.

The tape sensors are supplied in standard lengths for sensor and lead cable. During installation the sensor is cut to the length required. For use with the ProGeo® Flex or ProGeo® microBOX+ measuring units.



9 mm

Tape width of the sensor mesh



20 m

Sensor length
(can be cut during installation)



10 m

Lead cable length
(individual lengths available)

Sensor construction

Rot-resistant PE plastic mesh with a filament diameter of 0.5 mm. 9 integrated conductors Ø 0.30 mm, mixed V2A and tinned CU, laid in groups. Breaking load 110 kg, resistance 0.10 Ohm / m.

Connection set and lead cable

Connection to the lead cable, with strain relief on the cable and sensor side and integrated cable break monitoring. The 10 m lead routes to a transfer point or directly to the measuring unit.

Connection to the measuring unit

For use with ProGeo® Flex for small units and decentralised systems or ProGeo® microBOX+ for large buildings. Connection cable type LiYY 2x0.14 mm².

Standard length for cutting

The sensor is supplied with a length of 20 m and a 10 m lead cable. On site the sensor is laid and can be shortened as required. A sealing adhesive strip protects the cut end of the sensor.

Technical data

smartex® dm Schmalband

FEATURE	INFORMATION
Material	PE plastic mesh, filament diameter 0.5 mm
Width	9 mm
Sensor length	20 m (for on-site cutting)
Contact conductors	9 conductors Ø 0.30 mm, mixed V2A / tinned CU
Resistance	0.10 Ohm / m
Breaking load	110 kg
Connection cable	Type LiYY 2x0.14 mm²
Lead cable length	10 m
Supply voltage	max. 5 volts
Connection set	Connection to the connection cable, with strain relief on the cable and sensor side and integrated cable break monitoring
Compatibility	ProGeo® Flex, ProGeo® microBOX+
Delivery	Standard length for cutting, single-use reel or coil

Subject to technical changes. Binding values for the respective version are provided on a project-specific basis.



Request consultation

ProGeo® has developed automated moisture monitoring systems for buildings since 1992. Talk to us about the design for your project — we plan sensors, units and evaluation to suit the application.

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