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DATA SHEET

Topsoil Mapper

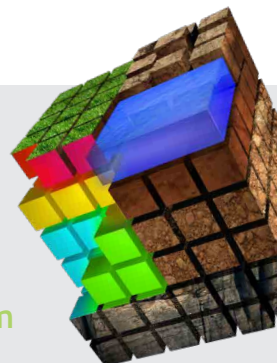
Technical specifications

- Mapping of agricultural soil parameters (compaction, soil type, water saturation)
- Real time site specific control (ISOBUS) of agricultural machinery
- Independent of weather conditions and vegetation and without soil contact
- Save operating resources - simple and autonomous

Sensor	
Operating principle	Electromagnetic Induction
Measurement system	Multi Coil Array (RX / Tx)
Penetration depth	Maximum 1.1 m (70% accumulated response)
Input voltage	12 V
Max. input current	450 mA
Power consumption	3 W
Sampling rate	Maximal 5 Hz
Accuracy (vertical resolution)	± 5 cm (2 Schichtmodell)
Resolution	± 0,25 mS/m
Housing	Non-conductive Polyethylen unibody
Mounting	Integrated to unibody housing

Dimensions	
Width	1740 mm
Depth	620 mm
Height	550 mm
Weight	32 kg

Usage	
Operating speed	Maximum 50 km/h
Maximum height above ground	60 cm
Recommended height above ground	25-45 cm
Positioning	Embedded GPS
Data acquisition	Topsoil Visualizer running Windows 7 and up



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