



PESSL INSTRUMENTS *GES.M.B.H.*

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SENSOR	SOIL TEMPERATURE PROBE
Part.No.	IM5041D



PARAMETERS	
Sensor	SMT160-30
Supply voltage	4.57 - 7 V
Supply current	max. 200 μ A
Short circuit protection	infinite (within supply voltage range)
Short circuit supply current	max. 40 mA
Operating temp. range	-30 to +99 C
Accuracy	min. 0.5 C (-30 to +99 C)
Calibration error	max. 0.25 C (23 C)
Nonlinearity error	max. 0.2 C
Supply voltage sensitivity	max. 0.1 C/V
Repeatability	max. 0.2 C
Long term drift	max. 0.1 C
Output frequency	1 to 4 kHz
Duty cycle	0.320 (0 C), 0.00470/ C
Evaluation	ANALOGIC
Cable length	5 m