

# Manufacturer Certificate

We certificate with this document, that our product

## **SOIL-TEMPERATURE 5-10-20-50-100 cm** (Art. M7100-9)

Fulfils all of the following technical specifications. Additionally the product fulfils all standards which are applicable within the EC area (CE Conformity) and WMO standards.



PARAMETERS	
<b>Temperature sensor:</b>	<b>SMT 160-30</b>
Supply voltage:	4.57 - 7 V
Supply current max.:	200 µA
	Short circuit protection infinite (within supply voltage range)
Short circuit supply current max.:	40 mA
Operating temp. range:	-50 to +99 C
Accuracy min.:	0.3 C (-50 to +60 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
Resolution:	0,1°C
Length of the sensor	1,2 m
Cable length:	3 or 5 m