

Dielectric constant (relative permittivity) of the soft thin layers - meter type GL2M

Technical Specification:

1. The meter designed for moisture content determination in leafes.
2. Relative permittivity measured range: 0,9 to 99,9
3. Relative permittivity measurement resolution: 0,1
4. Leaf temperature measurement range: 0,1°C to 60,0°C
5. IR Leaf temperature measurement method, resolution 0,1°C
6. Moisture content region of interest: 1,0% to 99,9%
7. Moisture content measurement resolution: 0,1%
8. Thickness of the measured material: 0,010mm to 2,000mm
9. Thickness measurement resolution: 0,001mm
10. Thickness measurement maximum error: $\pm 0,01$ mm
11. Press force on measured layer: 1,0N
12. Readout display: OLED 128 x 64 dots
13. Data interface: USB (micro USB socket) + BLUETOOTH 4.0
14. Windows and Android data collect software available – optional
15. Powering: 3xNi-MH AAA cells (ReadyToUse, ReCyko, EverActive types)
16. Battery charge – built in charging control.
17. External charge power source : +5V/500mA micro USB power source
18. Measurement duration: up to 2sec.
19. Serial measurement mode with current readout averaging up to 16 cycles
20. Built in memory for 30 readouts
21. Ambient air temperature and Rh measurement option
22. Ambient air temperature range: -40C to + 60°C
23. Ambient temperature measurement accuracy tolerance: $\pm 0,2^\circ\text{C}$
24. Ambient air Rh range: 0 to 100%
25. Ambient air Rh measurement accuracy: $\pm 2\%$
26. One button handling – ASONIK designed algorithm
27. Total weight: 500g
28. Dimensions: 45mm x 45mm x 125mm
29. Construction materials: stainless steel, bronze, nylon, teflon
30. Food Grade approval
31. CE requirements
32. Instruction manual: www.asonik.pl/zip/gl2m-man.pdf

33. Programm „GLM_DATA_COLLECT”: www.asonik.pl/zip/glm.exe 