

PRODUCTION AND MARKETING  
OF ORNAMENTALS WORLDWIDE

# Flower TECH



*Irrigation based on leaf pressure.*

Leaf-Sen thickness sensor  
Leafsen Irrigation Systems  
introduces a leaf thickness sensor which measures the turgidity, or pressure, of the leaf. By knowing the turgidity it should be possible to avoid water stress in the plant because it can be watered when required which also prevents wastage. The transparent sensor, which is clipped onto the leaf, is the result of 12 years of research at the Agricultural University of Jerusalem. This real time measurement can be linked to computer which control the irrigation system. [leafsen@ghi.org.il](mailto:leafsen@ghi.org.il)

## IMAGINE ALL THE PLANTS CONTROLLING THEIR OWN VALVES

*leafsen*  
irrigation systems ltd.



- Irrigation triggered by leaf-thickness
- Continuously assesses leaf turgor.
- Applies water as a real time reaction to incipient water stress.

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