

Surface tensiometer

Surface tensiometers can be used for measuring the moisture on irrigation fleeces, on substrate surfaces, within the substrate, as well as on other technical fleeces. Together with a switch sensor as a Tensiostat or E-sensor, they are used for irrigation control in mat irrigation systems – with either drip or flood systems – or in thin-layer crops with drip systems. This type of surface tensiometers is only suitable for short-term use at suction pressures above approx. 300 hPa, since frequent refilling is necessary. In contrast to the open version (FO), the closed version (FV) can also be used directly at surfaces.

Type FO – 501100



Type FV – 501110



TECHNICAL SPECIFICATIONS:

Clay foot:	approx. diameter of 70 mm
Design:	Type FV: top side has stable foil Type FO: top side is open-pored
Threaded connection:	GL14 for analogue manometers IT: one each for GL14 and BL, as integrated T-piece 45° IT45: for two GL14s as integrated T-piece 45°
Total height:	65 mm with GL connection, plus manometer 110 mm with IT(45) connection, plus manometer
Viewing window:	none

Top	Connection for analogue manometer Type / article number	Connection for T-piece for two analogue manometers Type / article number	Connection for Digital manometer
closed	FV-GL / 501110	FV-IT45 / 501110-IT45	On request
open-pored	FO-GL / 501110	FV-IT45 / 501110-IT45	On request

→ Information about selecting:
All tensiometers are made up of two components: a tensiometer base and a manometer or sensor.
These components can be combined in many ways and must be selected specifically for each application.

