

### Small tensiometer

Small tensiometers have two different sizes of the porous cell:  $\varnothing$  10 mm for type KV02 for the smallest vessels (pots from approx. 8 cm), also in embankments or gutters; and  $\varnothing$  15 mm for type KV2 for common pot sizes and also for loose and granulated substrates, as well as medium-sized containers or shallow-rooted bedded plants (LM). For the smaller types, the maximum suction power is limited to max. 200 – 300 hPa, due to their design and the corresponding smaller filling volume. The tensiometers are inserted to depths of 40 – 70 mm or 50 – 80 mm.

Connections for analogue manometers, switching sensors and E-sensors, also with integrated T-piece. The Premium plug-in tensiometers are also available in small sizes with lengths of 16 and 19 cm, with a porous cell diameter of 20 mm and a tube diameter of 25 mm. They have the advantage of a larger filling quantity, but there must be sufficient space at the measurement location for the larger porous cell. Small plug-in tensiometers are often used as tensiostats with switching sensors for irrigation control. They are also often combined with electronic sensors, for controlling or merely for recording moisture profiles. Using T-pieces, it is possible to add manometers (e.g. to monitor the switching points). The water column is usually not calculated using the small tensiometers.

#### TECHNICAL SPECIFICATIONS:

<b>Tube diameter:</b>	KV02: $\varnothing$ 15 mm KV2: $\varnothing$ 18 mm LM: $\varnothing$ 25 mm
<b>Porous cell:</b>	Type KV02 approx. $\varnothing$ 10mm x 30mm, cylindrical Type KV2 approx. $\varnothing$ 15mm x 40mm, cylindrical Type LM approx. $\varnothing$ 20mm x 60mm, cylindrical
<b>Threaded connection:</b>	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°
<b>Overall length:</b>	Type KV02-x 12cm Type KV2-x 15cm Type LM-x 16 or 19cm
<b>Viewing window:</b>	yes, approx. 3 cm



→ *Note:*  
The smallest tensiometers (KV1/01) with even shorter lengths (of approx. 8.5 cm) are also available on request with a capillary tube extension; the viewing window is then not available.

Porous cell	Overall length	Connection for analogue manometer Type / article no.	T-piece connection for analogue manometer and GL14 Type / article no.
$\varnothing$ 10 mm x 30 mm	12 cm	KV02-GL / 501202	
$\varnothing$ 15 mm x 40 mm	15 cm	KV2-GL / 501206	KV2-IT45 / 501206-IT45
$\varnothing$ 20 mm x 60 mm	16 cm 19 cm	LM-GL / 50123216 LM-GL / 50123219	

