

2825 TENSION INFILTROMETER ATTACHMENT

The easiest way to measure soil surface flow characteristics

Often it's the soil surface that will determine the flow of water applied by irrigation or storm that makes it into the sub surface. The soil surface will determine in large part the runoff for watersheds, or the ability to recharge the subsurface over a rainy season all extremely important to environmental health or determining flooding hazards. These measurements also apply to understanding irrigation efficiencies, infiltration rates, plant rooting preferences, and where runoff to furrow or channel can be expected. The 2825 can measure these changing surface conditions caused compaction, and settling that effect water sorptivity and permeability into the soil. 2825 Tension Permeameter sorptivity measurements help discriminate between gravity and capillarity flow through near surface soils structures. It uses the Guelph 2800 proven rugged polycarbonate and Santoprene body with a reservoir capacity of either 3.18 L (both reservoirs) or 235 ml (inner reservoir only) The model 2825 is a 20 cm (7.87 in) diameter Tension Infiltrometer attachment that fits directly onto a Guelph 2800 and provides accurate reservoir and flow data. The 2825 separate Mariott Bubbler provides the tension head of 0 - 22 mb of tension. Constructed from rugged clear polycarbonate base that includes a heavy duty special porous plastic plate (vapor ionized for permanent hydrophilic behavior), acrylic Mariott Bubbler and polycarbonate attachment tube. The 2825K1 Tension Infiltrometer Kit is a "stand alone" unit and comes complete with Guelph Body Reservoir, filling container, hand pump telescoping carrying case for Guelph Reservoir and backpack for all other Tension Attachment items.

SPECIFICATIONS:

2825 TENSION INFILTROMETER ATTACHMENT, comes complete with attachment tube & Mariott Bubbler for use with 2800 Guelph
Accessories 10" L x 10"W x 10"H (25cmx25cmx25cm) Weight 3.5 lbs. (1.6 kg)

2825K1 TENSION INFILTROMETER KIT, stand alone configuration, complete with Guelph Body, Mariott Bubbler, hoses ,
Carrying case for Guelph Reservoir and backpack for other Tension Attachments.
Accessories 72" L x 13"W x 13"H (182cmx33cmx33cm) Weight 15 lbs. (6.8 kg)

