

## 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 Marriott 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 Marriott 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 & Marriot 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, Marriott 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)

## 2826D TENSION INFILTROMETERS

**Light weight, portable tension infiltrometers for field or lab**



Results are plainly clear when you're using the 2826 series of Tension Infiltrometers since everything is produced from crystal clear acrylic allowing you to see it all. Made from durable acrylic, this unit is light weight and easy to tote to the field. A great tool for the lab as well in teaching others. When more precise and accurate measurements are required, one may think of using a smaller D08 size infiltrometer which will measure with more sensitivity due to its smaller reservoir and accelerated water drops. The 2826 are porous membrane surface interface designs for speedy reactions. The 2826D20 Reservoir holds 1.65 Liters and the smaller D08 model reservoir holds 410 ml, bubbler is similar for both having 0-28 mb of tension settings. The model 2826D Tension Infiltrometer comes in two sizes a 3.1" (8-cm) or 7.8" (20-cm) diameter system. With adjustable head heights, low volume of water used to obtain qualified data, and the ability to add pressure transducers to automate, makes the 2826D a serious choice for the researcher. A field rugged carrying case is a valuable option for this unit protecting your instrument and investment during transport and storage. To add this feature add "CS" to the product number.

**SPECIFICATIONS:**

2628D08 Series

2826D08 TENSION INFILTROMETER, 8 cm dia. tension disc., comes complete no carrying case  
2826D08CS TENSION INFILTROMETER, 8 cm dia. tension disc, comes complete with case.  
2826D08UCS CARRYING CASE, for 2826D08 Tension Infiltrometer, only no infiltrometer

2628D08 Series

2826D20 TENSION INFILTROMETER, 20 cm dia. tension disc., comes complete no carrying case  
2826D20CS TENSION INFILTROMETER, 20 cm dia. tension disc, comes complete with case.  
2826D20UCS CARRYING CASE, for 2826D20 Tension Infiltrometer, only no infiltrometer  
In the case Dim. 42" L x 15" W x 10" H (106.7cm L x 38.1cm W x 25.4cm H),  
Weight 21 lbs (9.5 kgs)  
No Case Dim. 41" L x 11" W x 10" H (104.1cm L x 27.9cm W x 25.4cm H),  
Weight 13 lbs (5.9 kgs)

