

3115PGV COMPACT PLANT WATER STATUS CONSOLE



Economical, field portability, with case and special "high point" gauge

When you're out in the early morning or mid day taking plant water stress readings you want something that's light, compact and foolproof. That's our newest 3115 Plant Water Status series. Mounted to a 4 wheeler or back of a pick-up truck this is built for years of field use in all types of weather. Rugged case protects the heavy duty 5" (12.7 cm) high pressure vessel fabricated from thick wall stainless steel 3.25 in (8.26 cm) OD and 2.73 in (6.93 cm) ID. The system includes Soilmoisture's unique -solid stock -"Cam Locking" stainless steel G4 type specimen holder, with complete set of soft silicone rubber grommets for the quickest reading around. Operates 0-40 Bars and uses our unique 4in. (10.16 cm) dia. readout gauge that has our special "high point" indicator feature - it retains the highest pressure reached prior to shut off. A real help in remembering your reading after exhausting the pressure vessel. Comes complete with a quick-connect coupling, high pressure regulator, and selection of air tanks meeting DOT 3AL2216 requirements. Everything you'll need to get you measuring plant water status the day it arrives.

SPECIFICATIONS:

ORDERING A 3115P40 - 40 BAR PLANT WATER STATUS CONSOLE - Please select from the different specimen holders and pressure in ordering your unit. G4 - Standard Specimen Holder for most plants, G2 - Broad Leaf plants and grains.
 V22 - A tank that holds 22 cu ft. of compressed air (size and weight of tank)
 V33 - A tank that holds 33 cu ft. of compressed air (size and weight of tank)
 EXAMPLE IS A 3115P40 that has a G4 Specimen Holder and 33 cu ft tank
 PLEASE ORDER 3115P40G4V33

3005HGPL PLANT WATER STATUS CONSOLE WITH TANK

The "original" PWSC, compact, large 6" swivel dial, sturdy construction



3005H07G4P40L08

The original, and perhaps best instrument around for taking numerous readings quickly, accurately and with precision. The only commercial plant water series instruments having quick "cam lock" sealing features, a swiveling super large 6" dial for easy reading in all types of sunlight conditions, and our "speedy" grommet insert closure make it a premium value. These all contribute to a super easy way to get your sample from shrub, tree or vine to measurement station. With the 3005 tank type console you have the widest selection possible from pressure vessel height of 7" (18 cm) to 20" (51 cm). two specimen holder types, G4 for either round stemmed plants or a G2 for broad leafed plants, two operating pressure ranges, 0 to 40 bars and 0 to 80 bars, and legs from 4" to 32" long. Fabricated from stainless steel for years of use, to the incorporated cutting board and stand you simply can't find a better more reliable instrument.

SPECIFICATIONS:

3005HGBL COMES IN MANY VARIETIES AND OPTIONS

A FAVORITE IS THE 3005H07G4B40L08 (Previously a 3005-1412) has a 7" high Pressure Vessel, 3015G4 Specimen Holder, 0 to 40 bar range, and set of 8" legs. In making a selection to purchase select from the following:
 H = Pressure Vessel Height in Inches H07= 7 in. high, H12=12 in. high, H20=20 in high
 G= The Type of Specimen Holder, G4= For round stemmed plants G2= Broad leafed plants
 P= Operating Pressure Max. P40 = 40 Bars max., P80 = 80 Bars max.
 L= Leg Lengths for stand, L04=4 in. legs, L08=8 in. legs, L32 32 in. legs.
 EXAMPLE IS A 3005 with 7" high pressure vessel, type G4 Specimen Holder, 40 Bar max and 32" legs would be ordered
 3005H07G4B40L32 - Approx. Wt. 35.83lbs (16.25 Kg)



3000HGBL PLANT WATER STATUS CONSOLE, NO TANK

The "original" PWSC, compact, large 6" swivel dial, sturdy construction

The 3000 is the non tank model 3005 providing all the same features in a tank-less configuration. Like the original, it's perhaps the best instrument around for taking numerous readings quickly, accurately and with precision. The only commercial plant water series instrument having quick "cam lock" sealing features, a swiveling super large 6" dial for easy reading in all types of sunlight conditions, and our "speedy" grommet insert closure make it a premium value. These all contribute to a super easy way to get your sample from shrub, tree or vine to measurement station. With the 3000 type console you have the widest selection possible from pressure vessel height of 7" (18 cm) to 20" (51 cm) two specimen holder types, G4 for either round stemmed plants or a G2 for broad leafed plants, two operating pressure ranges, 0 to 40 bars and 0 to 80 bars, and legs from 4" to 32" long. Fabricated from stainless steel for years of use, to the incorporated cutting board and stand you simply can't find a better more reliable instrument.

SPECIFICATIONS:

3000HGBL COMES IN MANY VARIETIES AND OPTIONS

A FAVORITE IS THE 3000H07G4B40L08 (Previously a 3000-1412) has a 7" high Pressure Vessel, 3015G4 Specimen Holder, 0 to 40 bar range, and set of 8" legs. In making a selection to purchase select from the following:

H = Pressure Vessel Height in Inches H07= 7 in. high, H12=12 in. high, H20=20 in high
 G= The Type of Specimen Holder, G4= For round stemmed plants G2= Broad leafed plants
 P= Operating Pressure Max. P40 = 40 Bars max., P80 = 80 Bars max.
 L= Leg Lengths for stand, L04=4 in. legs, L08=8 in. legs, L32 32 in. legs.

EXAMPLE IS A 3000 with 7" high pressure vessel, type G4 Specimen Holder, 40 Bar max and 32" legs would be ordered
 3000H07G4B40L32 - Approx. Wt. 23.83lbs (10.81 Kg)



3000H20G4P40L08

PLANT WATER ACCESSORIES

3015G2 BROAD LEAF SPECIMEN HOLDER

The specimen holder for broad leaf plants and stems

Constructed from solid stainless steel bar stock the 3015 with it's incorporated safety relief, provides unequalled lifelong service in making your measurements. Three set screws when pulled down, provide the light "squeeze" needed to seal but not break fragile broad leaves and stems. Support washers provide the backing to assure a uniform seal without disturbance to the plant being measured. Model 3015G2 is designed to accept blade-type leaves up to 1" (2.5 cm) in width. Comes with two support washers and four sealing plugs with 1" diameter having slots ranging from [0.984" x 0.094], [0.984" x 0.050"], blank and razor slit.

SPECIFICATIONS:

3015G2 BROAD LEAF SPECIMEN HOLDER, cam-lock, complete with 3017K1 plug set, support washers, Wt:1.96 lbs (.89 kgs)

ACCESSORY ITEMS

3017G2 PUCK GROMMET series see next page



3015G4 ROUND STEM SPECIMEN HOLDER

The general type specimen holder for most round stemmed plants

Constructed from solid stainless steel bar stock the 3015 with it incorporated safety relief, provides unequalled lifelong service in making your measurements. Hardened inserts in the stainless assure years of closures without thread wear or distortion. Our "quick seal" technique allows the fastest sealing in the industry. That assures a seal with just a turn or two on the compression ring. It's a seal within a seal. This is a general purpose specimen holder specifically designed for round stemmed plants to accept round petioles from .031in. (.079 cm) diameter to .500 in. (1.27cm) diameter, and short petioles .375 (.952 cm) long. It can also be used with blade-type leaves up to .500 in(1.27cm) wide, and on mid-vein of larger leaves. Comes with a full 3018 Grommet set made from soft, pliable inert silicon rubber with "Quick Seal" holding capacities for the following diameters: .062 in.(.157 cm), .125 in. (.317cm), .187 in.(.476 cm), and .250 (.635 cm) and blank sealing sleeves, and support washers with .250 in (.635cm) diameter hole and .140 in (.357 cm) diameter hole.

SPECIFICATIONS:

3015 G4 ROUND STEM SPECIMEN HOLDER, cam-lock, complete with 3018K1 grommet set, support washers Wt.2.13 lbs (.96 kgs)

ACCESSORIES

3018G4 QUICK SEAL GROMMETS series, see next page

3019G4 ROUND GROMMET series, see next page



PLANT WATER ACCESSORIES

3017G2 PUCK GROMMETS FOR BROAD LEAFS

G2 Grommets made specifically for gentle sealing on broad leaf specimens

If you're trying to seal on a broad leaf plant you know that it's a tricky task to seal the plant for pressurization while not cutting off the flow you want to measure. The 3015G2 Specimen Holder was designed to do just that to gently compress the whole "soft puck" sealing grommet against all the large surface area that a broad leaf presents. With 3 compressing screws the 3015G2 top compression element presses firmly on the puck squeezing close the slotted puck around the leaf from all directions. Made from food grade 30 shore, white, soft silicon rubber. It's about as clean and pliable as possible for this delicate job. The full set includes 3017G2WBLK, a blank puck grommet for your custom slot needs that you can cut yourself; the 3017G2 WRZR a puck grommet with a razor cut x .989 in long, the 3017G2W050 = .050 in. slot x .989 in long, 3017G2W090 = .090 in slot x .989 in long. They can be purchased in packages "PKG" of 5 ea. or the complete set including support washers as 3017G2K. For more details see our web site.

SPECIFICATIONS:

Individual Puck Grommets
 3017G2WBLKPKG05 PUCK GROMMET, BLANK, 5ea., 30 shore, white
 3017G2WRZRPKG05 PUCK GROMMET, RAZOR CUT, 5ea., 30 shore, white
 3017G2W050PKG05 PUCK GROMMET, .050 (1.27mm) SLOT, 5ea., 30 shore, white
 3017G2W090PKG05 PUCK GROMMET, .090 (2.29mm) SLOT, 5ea., 30 shore, white

Full Set including support washers
 3017G2K1 PUCK GROMMET, FULL SET includes 1ea. all grommets and support washers



3018G4 "QUICK SEAL" ROUND STEM GROMMETS

The G4 "Sleeved" Grommets for variable stem sizes, a need to seal quickly

On a number of occasions you'll be working with a wide variety of stem sizes from tree base to top canopy and you want to get a reading as quickly as possible. The 3018G4 series was made for use with the 3015G4 Specimen Holder and is just for that type of occasion. It's the best fit for stems as small as .062 in. (1.57 mm) to .250 in. (6.35 mm). All Quick Seal grommets are .500 in (1.27cm) outside diameter with differing interior sealing diameters. Simply slip the appropriate Quick Seal sleeve over the stems place it in the compressing grommet, a couple of turns and you're sealed in a matter of seconds. Made from food grade 30 shore, white soft silicon rubber it's as clean and pliable as possible for the delicate stem sealing needs. The compression Grommet has a .500 in. (1.27cm) Inside Diameter and is used to compress the sealing sleeves as the 3015G4 specimen holder is turned. For more details see our web site.

SPECIFICATIONS:

Individual "Quick Seal" Grommet Sealing Sleeves – Compressing Grommet
 3018G4DBLKPKG05 SEALING SLEEVE, Blank –no hole, 30 shore, white
 3018G4D062PKG05 SEALING SLEEVE, .062 (1.57mm) Dia. Seal, 5ea., 30 shore, white
 3018G4D125PKG05 SEALING SLEEVE, .125 (3.18mm) Dia. Seal, 5ea., 30 shore, white
 3018G4D187PKG05 SEALING SLEEVE, .187 (4.76mm) Dia. Seal, 5ea., 30 shore, white
 3018G4D250PKG05 SEALING SLEEVE, .250 (6.35mm) Dia. Seal, 5ea., 30 shore, white
 3019G4D500PKG05 COMPRESSING GROMMET, .500 in ID, 5ea., 30 shore, white

Sets of Grommets and support washers
 3018G4K1 FULL SET, includes all sealing sleeves, compressing grommet and support washers
 3018G4K2 SEALING SLEEVE SET, includes all sealing sleeves only
 3018G4K3 SEALING SLEEVE SET WITH COMPRESSING GROMMET
 3018G4K4 SUPPORT WASHER SET, a set of all support washers





PLANT WATER ACCESSORIES

3019G4 COMPRESSION GROMMETS FOR ROUND STEMS

G4 Grommets used when your sealing on a typical uniform stem size

Made specifically for the 3015G4 Specimen Holder these are durable and heavy duty grommets for repeated use of a similar size petioles and stems. Whether you're working with pine needles or vines often they're fairly uniform in size and diameters and can be quickly fitted to one of the many 3019G4 compression grommets. There's no need for sleeves or additional adjustments when you're working with similar size plant stocks just place the stem into the compression grommet, turn down on the sealing knob of the 3015G4 specimen holder and you're ready to apply the pressure test. Made from food grade 30 shore, white, soft silicon rubber the grommets are about as clean and pliable as possible for this delicate job. Sealing sizes range from 1/16" - .125 in (1.57mm) to a full 1/2" - .500 in. (1.27cm)., there is even a blank for you to create your own seal. They can be purchased separately or as part of a set. For more details see our web site.

SPECIFICATIONS:

Individual Compression Grommets

3019G4DBLKPK5 COMPRESSION GROMMET, BLANK, 5ea., 30 shore, white	dia. Seal, 5ea., 30 shore, white
3019G4D062PK5 COMPRESSION GROMMET, .062 in.(1.57 mm)	dia. Seal, 5ea., 30 shore, white
3019G4D093PK5 COMPRESSION GROMMET, .093 in.(2.38 mm)	dia. Seal, 5ea., 30 shore, white
3019G4D125PK5 COMPRESSION GROMMET, .125 in.(3.16 mm)	dia. Seal, 5ea., 30 shore, white
3019G4D187PK5 COMPRESSION GROMMET, .187 in.(4.76 mm)	dia. Seal, 5ea., 30 shore, white
3019G4D375PK5 COMPRESSION GROMMET, .375 in.(9.52 mm)	dia. Seal, 5ea., 30 shore, white
3019G4D500PK5 COMPRESSION GROMMET, .500 in.(1.27 cm)	dia. Seal, 5ea., 30 shore, white

Full Set including support washers

3019G4K1 SMALL DIAMETER SEALING SET, includes D060 to D187, round, compression grommets, and support washers.

3019G4K11 LARGE DIAMETER SEALING SET, includes D375 & D500 round compression grommets, and support washers.

3019G4K12 FULL SEALING SET, includes all round sealing sizes of compression grommets, and all support washers.



3019G4U SPECIALITY GROMMETS FOR UNUSUAL STEM CONFIGURATIONS

Special G4 Grommets used when you need to seal the unusual stem

Perhaps it's sorghum or some other stem configuration that's unusual, We may already have the grommet to fit the situation. Right now we have three distinct types the "TE" Cat's Eye configuration with several to select from. The 3019G4UTE01 is a small .062 in (1.57 mm) x .250 in. (6.35 mm) long. The 3019G4TEU02 is a larger version .125 in. (3.16 mm) wide x .500 in (1.27 cm) long. The "TA" Arc or Half Moon configuration we have one item that is .125 in (3.16 mm) wide at the top of the arch and .500 in (1.27 cm) long the 3019G4TA01. The "TS" typical slot configuration has one grommet the 3019G4TS01 a .050 in (1.27 mm) wide slot x .500 in (1.27 cm) long. Made from food grade 30 shore, white, soft silicon rubber the grommets are about as clean and pliable as possible for this delicate job. They can be purchased separately or in sets. For more details see our web site.

SPECIFICATIONS:

Individual Speciality Grommets

3019G4UTE01PK5 SPECIALITY GROMMET, Eye Type	01 seal,	5ea., 30 shore, white
3019G4UTE02PK5 SPECIALITY GROMMET, Eye Type	02 seal,	5ea., 30 shore, white
3019G4UTA01PK5 SPECIALITY GROMMET, Arc Type	01 seal,	5ea., 30 shore, white
3019G4UTS01PK5 SPECIALITY GROMMET, Slot Type	01 seal,	5ea., 30 shore, white

Full Set including support washers

3019G4UK1 COMPLETE SET OF SPECIALITY GROMMETS, includes all grommets and support washers

3019G4UK2 SPECIALITY GROMMET SET, grommets only no support washers.



FOR THE COMPREHENSIVE SET OF ALL G4 TYPES OF GROMMETS AND WASHERS PLEASE ORDER 3019K3



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