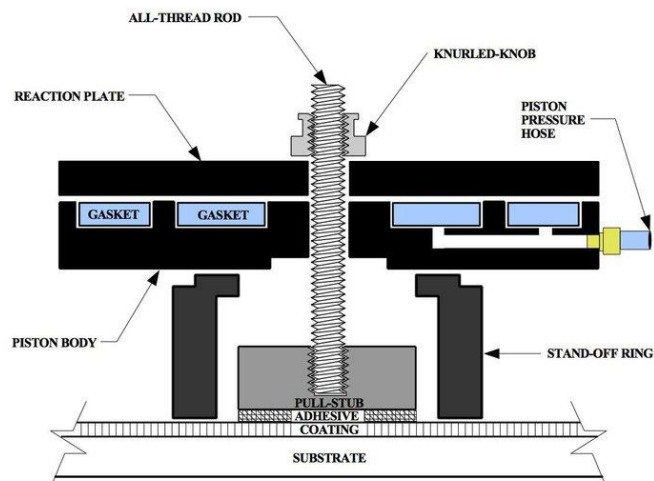


P.A.T.T.I.® QUANTUM CONCRETE Analog with F-20 Piston



PATTI® QUANTUM CONCRETE

CROSS-SECTIONAL SCHEMATIC OF PISTON ASSEMBLY WITH ATTACHED PULL-STUB



REVISED 02/01/07

Includes accessories specific to concrete coatings testing, but may also be adapted for coatings on other substrates:

- Initially released with Analog Gauge (as shown)
- Large diameter F8/12 (aka F-20) Piston
- 20 ea. large two inch (2") diameter Pull-Stubs
- Stand Off Ring for use with larger diameter Pull-Stubs

Considered the most accurate portable coatings adhesion tester available for the last two decades; the PATTI® line is now even further enhanced!

PATTI® QUANTUM FEATURES:

- The same quality you have come to expect from the PATTI®
- Powder-Coated box is much more robust than previous PATTI®'s – will maintain its aesthetic value
- New regulator eliminates the internal pop valve, allowing for use of entire air cartridge
- New air cartridge capacity is twice that of other PATTI® models
- Simplified design requires fewer internal parts and reduces the frequency of maintenance / repair
- With the exception of the new, higher capacity CO2 Cartridge, can use the same pistons, pull-stubs and supplies as previous PATTI®'s
- The reduced number of internal parts makes the PATTI® QUANTUM lighter than other PATTI®'s and more portable than ever

PATTI® APPLICATIONS:

- The **self-aligning PATTI® QUANTUM** quantitatively measures the adhesion strength of numerous coatings, including: paints, polymers, ceramics, inks, films, adhesives, and thermal or arc-sprayed metals.
- Laboratory or field use.
- The PATTI® can also be used to test the strength of adhesives under non-room environmental conditions from 32-212 degrees Fahrenheit (0-100 degrees Celsius).

EASY TO USE:

- The PATTI® Quantum uses compressed inert gas to apply a continuous tensile load to an aluminum pull-stub which is bonded to the test surface with an adhesive.

- After the adhesive has cured, the operator attaches the selected piston. Then the operator pushes and holds the "RUN" button. A continuous load is then applied perpendicular to the pull-stub until failure occurs, or until a specified load is reached.
- The PATTI® can be pressurized with CO2 cartridges to make it portable for field use. In the laboratory, nitrogen or any clean inert gas system providing at least 100 psig (up to 160 psig) can be used.

Laboratory/Field Analog PATTI QUANTUM CONCRETE Complete System includes: one dual load range piston (F8/12 aka F-20), transport toolbox, accessory kit [(20) 2" Pull-Stubs, Stand Off Ring, high and low pressure hoses, epoxy kit, talcum powder, 6 CO2 cartridges] and instruction manual.

MEASURES CONCRETE COATING ADHESION STRENGTH UP TO 1,000 PSI!

MEETS SPECIFICATIONS:

The PATTI® instrument and method conforms to ASTM D-4541, "Pull-Off Strength of Coatings Using Portable Adhesion Testers".

SPECIFICATIONS:

- Gas Supply: self-contained or external supply, 100psig
- Weight: About 3.5 pounds
- Dimensions: 8" (20.3cm) x 3 1/8" (7.9cm) x 6" (15.3cm) (Control Module)
- Load Range: 1-10,000psi using 1/2" pull-stubs
- Operating Temperature Range: 50-120 degrees Fahrenheit
- Certified calibration available at additional fee.
- Accessory for testing adhesives available
- All pistons are self-aligning

OPTIONAL ACCESSORIES:

Gas regulator, adhesive test jig and anchor plate, custom-machined pull-stubs.