

Automatic Triaxial Cell

Accessories

ADVANCED PAVEMENTS TESTING SYSTEMS



Designed and manufactured to IPC Global's high precision and quality, the Automatic Triaxial Cell provides a versatile, user friendly and accurate device for test applications where lateral confinement of an asphalt specimen is required.

The Automatic, pneumatically operated lift cylinders raise and lower the cell wall in a similar manner to the AMPTs.

[Watch Video](#)

Specifications

Features

- Automatic pneumatically operated lift cylinders that raise and lower the cell wall
- Fitted with pressure relief valve for greater safety
- Crystal clear heavy duty acrylic cell wall for maximum visibility of specimen
- Low friction loading shaft
- Capable of operating between -15°C to +60°C
- Provision for pressure and temperature transducers
- Provision for up to 3 (internal) on specimen transducer
- Cell pressure up to 275kPa

Test Standards

- AASHTO T378 (TP79) – Dynamic Modulus
- AASHTO T342 (TP62) – Dynamic Modulus
- EN 12697-25B – Permanent Deformation

Specimen Dimensions

Specimen Size 100 x 150–170mm (Dia.xH)

Dimensions and Weight

Open Height	655mm
Close Height	405mm
Width	418mm
Weight	50kg

Air Requirements

Supply Clean Dry Air	400 to 500kPa
Flow Requirement	Min. 2 liters/second

Ordering Information

PV70330 – Automatic Triaxial Cell

Additional accessories may be required to create a working testing system. Please contact us for advice.

Testing Made Easy

Automatic Triaxial Cell was developed to facilitate quick, simple and easy operation. To minimize disturbance to the sample and reduce heavy lifting, IPC Global's innovative design incorporates pneumatic lift cylinders. They automatically raise and lower the cell wall at the push of a button to give you complete 360° access to the specimen. The cell has optional internal lemo connectors for utilising on-specimen transducers for AASHTO T378 (TP79) and AASHTO T342 (TP62) Dynamic Modulus. Top mounted LVDT displacement transducers with extension rods enable accurate measurement of specimen deformation for EN 12697-25B.



Automatic Triaxial Cell

Superior Performance

IPC Global offers a wide variety of accessories to extend the range of their advanced testing machines. The range includes fixtures for performing a variety of tests to local and international standards, displacement transducers and specimen preparation equipment. IPC Global's accessories are constructed of high quality robust materials thus ensuring superior performance and appearance.

► IPC Global Customer Care

At IPC Global we are proud of our products.

We are dedicated to supplying high quality, accurate, affordable, easy-to-use systems for Advanced Testing of asphalt, binders and other pavement materials. As a valued customer of IPC Global you will receive continuous, expert support and advice for your instrument. Furthermore, we offer full installation and training in the correct operation of your IPC Global equipment. For support from our expert Customer Care Team, contact your local IPC Global-Controls office/distributor or email ipcglobalsupport@controls-group.com.

Visit our website for more information www.controls-group.com/ipcglobal.



► Contact Us

IPC Global

E ipcglobalsales@controls-group.com www.controls-group.com/ipcglobal

Controls Group USA

2521 Technology Drive, Suite 203, Elgin, IL 60124, USA T +1 847 551 5775 E info@controls-usa.com www.controls-usa.com

Controls Group

T +39 02 92184 1

F +39 02 92103 333

E sales@controls-group.com

www.controls-group.com

France

www.controls.fr

Italy

www.controlsitalia.it

Iraq

www.controlsmiddleeast.com

Mexico

www.controls.com.mx

Poland

www.controls.pl

UK

www.controlstesting.co.uk

Spain

www.controls.es

www.controls-group.com/ipcglobal