

DATA SHEET

UTS Neutron - Dynamic Materials Testing & Analysis Software



General description

Increased flexibility and control with three platform license levels:

- UTS NEUTRON ESSENTIAL – Easy Testing to EN/ASTM/AASHTO
- UTS NEUTRON PERFORMANCE – Including graphical Test Editor
- UTS NEUTRON DEVELOPER – Advanced test creator (for programmers only)

Increased flexibility and control - Totally configurable user-level access-rights:

Choose exactly the level of access you want for each of your users, or select one of the three pre-set user types. Once set-up by the UTS Neutron Administrator; on entering their username and password, each user will have access only to make the changes they need to do their work.

Main features

New UTS Neutron dynamic materials testing and analysis software builds on 30 years' experience as leading manufacturer and trusted partner of advanced dynamic testing systems for asphalts and other pavement materials. We've listened to feedback about your needs and wishes and have developed the most advanced testing software that provides the ultimate in flexible yet easy materials testing software for all types of users.

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- As easy as you want, as complex as you need. The most advanced materials testing and analysis software for performance, accuracy and flexibility
- One Software with customizable interfaces for all testing needs
- Three License Levels to meet all user types:
 - ESSENTIAL standards testing;
 - PERFORMANCE Test editor;
 - DEVELOPER Programmer
- Configurable Access-Rights for any user type e.g. QC operator, Laboratory manager, Senior Engineer

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- User programmable - Total flexibility capable to do anything you'll need
- Easy-to-follow wizard - To make life even easier, UTS Neutron Wizard only requires you to follow the step-by-step path to accomplish your test editor goal.
- Multiple languages - Custom language configurator tool
- Advance reporting - Robust reporting and easy custom test creation
- Worry free seamless migration - Compatible with IMACS and IMACS2. Users can import existing UTS data to generate new reports

Specifications

Increased flexibility and control with three platform license levels:

1. UTS NEUTRON ESSENTIAL – Easy Testing to EN/ASTM/AASHTO

Familiar layout UTS based but enhanced and more intuitive.

Library of pre-programmed test modules complying with the main international Standards e.g. EN/ASTM/AASHTO.

Basic suite included with all IMACS2-based IPC Global dynamic testing machines.

Simple interface for routine QC users who want to run a test with a few mouse clicks.

Multiple-languages – supplied with English, Chinese, Polish and Spanish languages plus customized language configurator tool.

Painless migration from IMACS to IMACS2. Users can import existing UTS data to generate new reports.

Robust reporting and easy custom test creation.

2. UTS NEUTRON PERFORMANCE – Including graphical Test Editor UTS NEUTRON ESSENTIAL plus:

Graphic step-by-step test editor.

Edit and save user defined test sequences and procedures.

Wizard feature – follow the step-by-step path to accomplish your tests edit goals. What could be simpler?

Comprehensive graphic programming functions with in-built easy to use drag & drop icons.

Possibility to edit & save user-defined test sequences and procedures.

Robust reporting and easy custom test creation.

3. UTS NEUTRON DEVELOPER – Advanced test creator (for programmers only)

The power for advanced users looking for a totally open system with the facility to create tests from scratch or open, modify and save new tests from existing templates.

UTS NEUTRON ESSENTIAL and PERFORMANCE plus:

Gives you total flexibility to create and customize tests (including inputs, outputs, calculations, graphs, layout).

Allows open advanced programming with Python Scripts.

Perfectly suited to expert users with programming skills.

	IPC Global UTS	IPC Global UTS Neutron		
		Essential	Performance	Developer
Unique suite including all tests	NO	YES	YES	YES
Multi-language	NO	YES	YES	YES
Pre-programmed test modules to main EN/ASTM/AASHTO and international standards	YES	YES	YES	YES

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Possibility to edit test parameters (force frequency)	YES	YES	YES	YES
Custom report generator	YES	YES	YES	YES
Graphic programming functions with in-built easy to use icon Drag-and-Drop programming	NO	NO	YES	YES
Possibility to edit & save new tests	NO	NO	YES	YES
Advanced programming functions based on Python	NO	NO	NO	YES
Possibility to modify inputs, outputs, formula & layout	NO	NO	NO	YES

Products

79-UTS2000

UTS Neutron Essential suite, including all the tests included in IPC Global dynamic testing machines, conforming to relative standards

79-UTS2100

UTS Neutron Performance upgrade licence. Possibility to edit and save user-defined test sequences and procedures with graphic editor

79-UTS2200

UTS Neutron, Developer upgrade licence. Advanced programming functions based on Python scripts, upgrade licence. Possibility to fully customize UTS Neutron Suite, including templates, parameters, calculations, graphs and software layout.