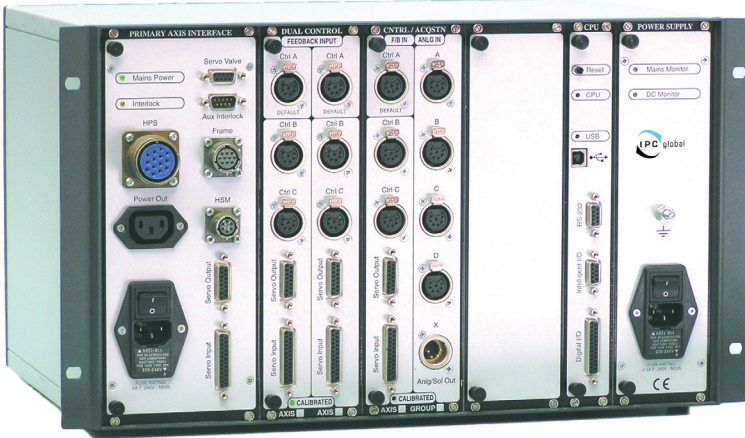
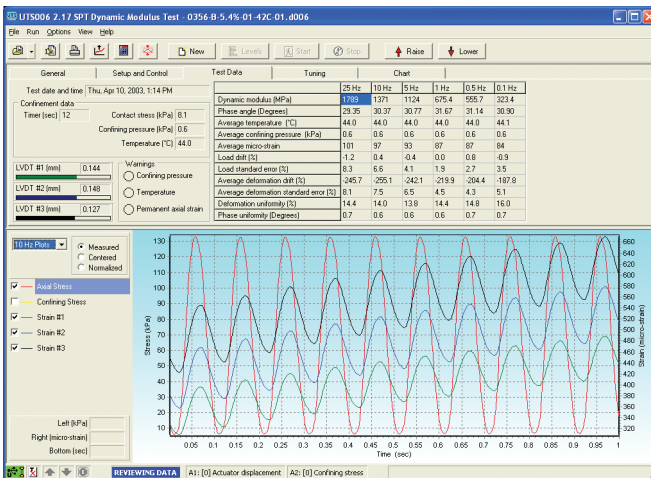


IPC Global® IMACS Integrated Multi-Axis Control System



IPC Global's Integrated Multi-Axis Control System (IMACS) delivers leading-edge performance, unparalleled control and the ultimate in flexible data acquisition. For servo-controlled testing machines, the IMACS provides excellent waveform fidelity from integrated acquisition and control functions, at speeds of up to 5kHz simultaneously on all channels.

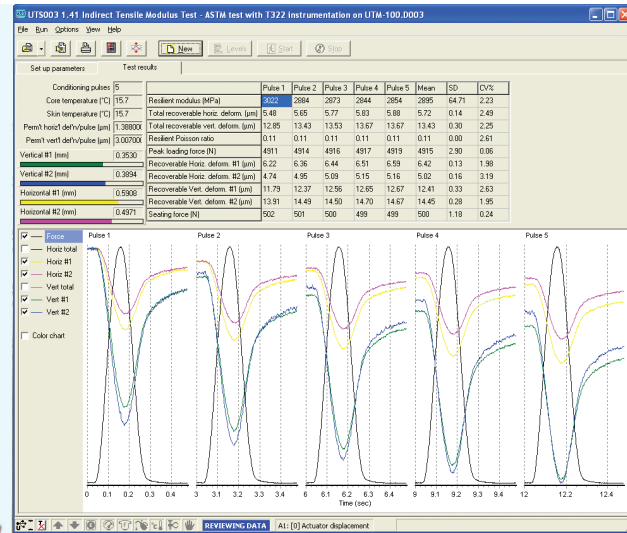
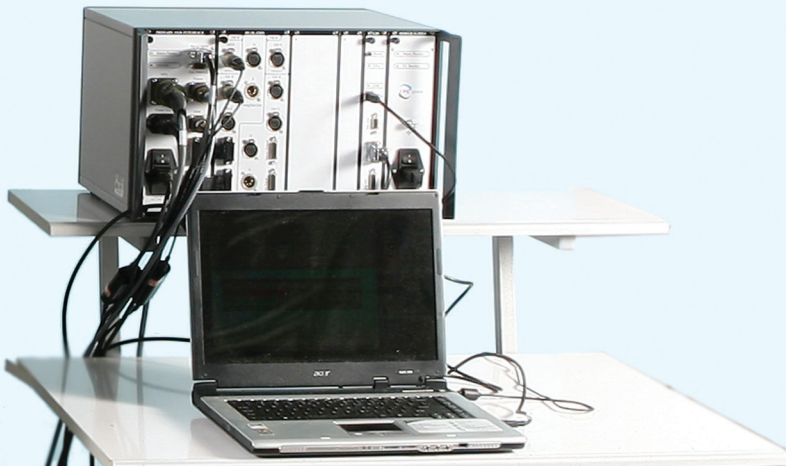


IPC GLOBAL's UTS Software has been developed over 20 years and is renowned for its simplicity, clarity and analytical power.

SPECIFICATIONS



- 2 axis control and 8 channel data acquisition as standard, upgradeable up to 8 axes control and 32 channel acquisition.
- USB communications port at 10Mb/s or RS-232 communications port at 115kb/s
- Data acquisition speeds of up to 5kHz simultaneous for all channels
- 4x oversampled data acquisition for low noise performance
- Up to 20bit auto-ranging data acquisition
- Analog inputs are software selectable for x1, x4, x16 or Auto gain ranges
- Analog inputs are auto calibrating on power-up
- Flash based firmware allows field updates of all modules
- 8 low noise 'normalised' analog input channels
- Up to 3 analog inputs can be used for feedback for each axis
- 12 Digital inputs
- 8 Digital outputs
- 2 channel, 16bit Digital to Analog output which provide flexible driver configuration (bipolar, unipolar, current or voltage)
- 2 solenoid driver outputs per module
- Capacity for up to 4 I/O modules, configurable as acquisition, split axis-acquisition/control or dual axis control
- Size: 270(H) x 350(D) x 460(W) mm
- Weight: 11Kg
- Mains power: 220-240V 50Hz or 110-120V 60Hz



IMACS COMBINED WITH UTS SOFTWARE

IMACS

Leading edge control with:

- Real-time digital computer control for servo controlled testing machines
- Excellent waveform fidelity from the integrated channel acquisition and control functions at speeds up to 5kHz, simultaneous on all channels
- Low data noise performance with 4x over-sampled data
- Exceptional data resolution and control with up to 20bit auto-ranging data acquisition
- Flash based firmware allows field updates of all modules
- USB communication port at 10Mb/s
- Total confidence in measurements taken from analogue inputs that auto-calibrate on power-up

UTS Software

UTS is IPC Global's test and control software. Developed over 20 years it is appreciated by users for its simplicity, clarity and analytical power.

- Powerful and professional Delphi software with real-time graphs for monitoring the specimen under test
- Portable data files for remote viewing, analysis and troubleshooting
- Transducer allocation map allows input channel assignment to test function
- Software selectable transducer calibration and linearisation
- Configurable real-time transducer levels screen
- User customisable test 'templates' streamline the testing process
- User selectable test termination sequences
- Virtual machine control pendant for control of all servo axis, power pack pressures and automated frame crosshead position
- Integrated machine status monitoring

IPC Global Customer Care

At IPC Global we are proud of our products.

We're dedicated to supplying high quality, accurate, affordable, easy-to-use systems for advanced testing of asphalt, soil, unbound granular and other construction materials.

As a valued customer of IPC Global you will receive continuous, expert support and advice for your instrument. Furthermore, we ensure new users are trained in the correct operation of your IPC Global equipment.

For support from our expert customer care team, contact your local IPC Global distributor or IPC Global directly on +61 3 9800 2200 or email techsupport@ipcglobal.com.au.

Visit our website for more information: www.ipcglobal.com.au.

Contact Us

IPC Global

4 Wadhurst Drive, Boronia, VIC 3155, Australia

T +61 3 9800 2200

F +61 3 9800 2813

E sales@ipcglobal.com.au

W www@ipcglobal.com.au

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