

## Instron® Professional Services | ElectroPuls™ Performance Verification



Instron Professional Services' Performance Verification — an on-site service that is carried out by a qualified and trained Instron engineer – ensures that your dynamic materials testing instrument is operating at peak performance and delivering assured quality test results.

Whether your business is in quality control, research, academia/education, manufacturing, or contract testing, the availability of your system is important to meet your business needs and your customers' expectations.

Your ElectroPuls™ system uses state-of-the-art technology, offering slow-speed static testing and high-frequency dynamic fatigue testing with hundreds of Hertz capability. This instrument is designed for testing a wide range of materials and components that conform to international or in-house materials test standards. Regularly planned performance verification is an economical and convenient way to support compliance with test standards, while providing repeatable and accurate test results, user safety, and a long operating life for your investment.

Performance verification is scheduled at a convenient time to suit your operation. Each visit includes a pre-defined set of performance verifications, inspection, and safety check activities that can provide early insight of deterioration and identify adjustments to maintain the system's peak performance.

At the end of the service visit, your Instron engineer will arrange for you to receive a documented confirmation of your system's performance verification.

Benefit from the service visit and include a transducer accredited verification or a system review and guidance to help you utilise your ElectroPuls to its fullest potential. Call your local Service office to discuss how we can assist you or to review and tailor our support services for your business.

## Flexible Support Services

Instron® offers performance verification and support plans that can be tailored to your operational and budget needs. These plans include services such as:

- Scheduled performance verification and safety check
- ISO 17025 accredited on-site calibration and verification services
- Priority call scheduling
- Hardware telephone support
- Software support by telephone, email, and across the internet with remote assist
- Software update and installation
- Discounted on-site training
- On-site and return to factory repairs
- Discounted spare parts, including contract-only exchange parts where available.

For more information, please contact your Instron Service Office below, or visit our website at [www.instron.com](http://www.instron.com).

**INSTRON – Division of ITW**

Instron, C/ Argenters, 2. Parc Tecnològic del Vallès – 08290 Cerdanyola del Vallès (Barcelona)  
Tel. Gral. 93 594 75 60 Ventas: 93 594 75 61 Servicio Técnico: 93 594 75 62 FAX: 93 593 07 60 Email: Service.Iberia@instron.com

**Performance Verification Checklist**  
E3000L5678

Company: High Tech Industries  
Department: Testing Room  
Contact: Mr. Jack  
Date: 22-Jan-14  
Engineer: Mr. S Driver  
Job Number: 114586

Select relevant sections using drop-downs	Then Click PROCEED Button to implement	1) CONTROLLER	2) FINISHING	3) ERROR LINEAR	4) E-HORN ROTARY	5) GRIP CONTROL	6) SAFETY SCREEN	7) COMPUTER	8) Future use
		SELECTED	SELECTED	NOT SELECTED	NOT SELECTED	NOT SELECTED	NOT SELECTED	SELECTED	SELECTED

Selected: 1278

**8800 Controller**

**Electric Power Quality**

Item	Description	Model	N/A
1.00	Check Line Conditioner or UPS		N/A
1.01	Press Emergency Stop Button		
1.02	Record Neutral to Ground voltage	2.00	Vac
1.03	Check EMI filter Input and Output		
1.04	Check Ground connections		
1.05	Check that signal and power cables have adequate slack.		

**Power Supply**

Item	Check DC Output voltages Measured at the Power Supply	Before Adjustment Volts	After Adjustment Volts	Comments
1.06	+5Vdc	5.02	5.15	Adjusted
1.07	-15Vdc	-15.20		
1.08	+15Vdc	15.20		
1.09	+24Vdc	23.50	24.00	Adjusted
1.10	Power Supply +24Vdc	24.00		

**8800 Selftest & System Settings**

Item	Description	V8.16	V144
1.11	Check Self Test Run		
1.12	Monitor Self test using Hyper Terminal or Termbite		
1.13	Record firmware version	V8.16	
1.14	Download commissioning file		V144

**Control & Acquisition Electronics**

Item	Description
1.15	If MMI fitted - Run MMI Self-test and check all steps. (Displays, LED's, switches etc...)
1.16	Visually inspect electronic boards
1.17	Remove any dust accumulations from components and printed circuit boards.



Consulting Services



Installation



Training



Calibration



Preventative Maintenance



Technical Support



Relocation Assistance



Upgrades



Repair & Parts



Resources

## Global Support Local to You

Instron® has a global infrastructure that is local to you and remains committed to being the leader in mechanical testing instrumentation. To find an office local to you, visit [go.instron.com/locations](http://go.instron.com/locations)

[www.instron.com](http://www.instron.com)



Worldwide Headquarters  
825 University Ave, Norwood, MA 02062-2643, USA  
Tel: +1 800 564 8378 or +1 781 575 5000

European Headquarters  
Coronation Road, High Wycombe, Bucks HP12 3SY, UK  
Tel: +44 1494 464646