

To : MFF UK

Date : 28. července 2017

Quotation No : OHVPG2229A

Your Ref :

For the Attention of :

Qty	Cat No	Description	Price
<b><u>Two axis electrodynamic test instrument</u></b>			
1	ID-E10KNB	<p>ElectroPuls E10000 Linear-Torsion All-Electric Test Instrument</p> <p>Linear Dynamic Capacity: <math>\pm 10</math> kN (<math>\pm 2250</math> lbf)</p> <p>Linear Static Capacity: <math>\pm 7.1</math> kN (<math>\pm 1600</math> lbf)</p> <p>Linear Stroke: 60mm (2.36 in)</p> <p>Torque Capacity: <math>\pm 100</math> Nm (<math>\pm 880</math> in-lb)</p> <p>Torsion Stroke: <math>\pm 135^\circ</math> standard configuration. Alternative configuration available with <math>\pm 16</math> revolutions.</p> <p>Daylight Opening: 887mm (35in) maximum with actuator at mid stroke</p> <p>Configuration: Twin-column with actuator in upper crosshead</p> <p>Orientation: Vertical, Floor Standing</p> <p>Lift &amp; Locks: Electrically powered crosshead lifts with manual lever clamps</p> <p>Load Cell: <math>\pm 10</math> kN <math>\pm 100</math> Nm Dynacell load cell mounted to base</p> <p>Services required: Single phase 220 to 240 VAC 32A mains supply only</p> <p>The ElectroPuls E10000 Linear-Torsion Test Instrument includes load frame, combined linear-torsion motor, displacement, rotation, force and torque transducer sets, advanced digital controller and Console software. See technical specification sheets for further details.</p> <p>Requires PC &amp; GPIB card, accessories and attachment kits.</p>	3 559 360,00
1	ID-E10KNB-A1	Fully integrated system, designed to operate as a stand-alone Test Instrument	
1	ID-E10KNB-C1	Full height configuration, with power amplifier integrated into the base of the machine. Overall machine height with crosshead in upper position for maximum daylight 2857mm	
1	ID-E10KNB-D2	Electrical supply voltage 208 VAC to 240 VAC 32A single-phase, 50/60 Hz	
1	ID-E10KNB-S3	<p>Supplied with Advanced Data Acquisition Module</p> <p>- Controller board configured with 6 sensor conditioners for position, load and digital position control for both Linear and Torsional Axis</p> <p>- Includes 2 additional controllable sensor conditioning modules (e.g. for strain)</p>	225 920,00

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Qty	Cat No	Description	Price
		<ul style="list-style-type: none"> <li>- Includes 2 analogue inputs and 4 analogue outputs</li> <li>- Includes 8 digital inputs and 8 digital outputs</li> </ul> <p>Controllable sensor conditioning module : Supports closed-loop control and data acquisition for only one transducer (strain gage bridge, LVDT, or +/-10V BNC input). Includes:</p> <ul style="list-style-type: none"> <li>- Transducer excitation.</li> <li>- Data resolution up to 24 bits across the entire span of the transducer.</li> <li>- Automatic transducer recognition and calibration for transducers fitted with Instron connector.</li> <li>- Data acquisition rates up to 10kHz for AC Conditioned transducers and up to 40kHz for DC transducers.</li> <li>- User selectable signal filters from 100Hz to 1kHz in increments of 1/1000Hz.</li> </ul>	
1	2527-302	<p>Biaxial Dynacell, Dynamic Load Cell. <math>\pm 1</math> kN (<math>\pm 225</math> lbf), <math>\pm 25</math> Nm (<math>\pm 220</math> in-lb)</p> <p>Dynacell is a unique load measurement device which automatically compensates for load errors induced through inertia of the load string components. A method of dynamic inertia compensation is essential for all forms of dynamic testing</p> <p>The fatigue life of the unit is 10E9 full stress reversed cycles at the capacity of the cell. Overload capability is 300% of the capacity before mechanical failure of the cell. Side load resistance is 40% of the capacity.</p> <p>Overall Dimensions: 68 mm (high) by 94 mm (diameter) Transducer Mass: 1.3 kg</p> <p>Mechanical Interfaces: Cell to Machine: 3x M6 on 75 PCD Cell to Accessories: 3x M6 on 75 PCD and 3x M6 on 57 PCD</p> <p>Note: care should be taken not to overload either the axial or torsional channels.</p> <p>Note: In order to fit directly to an 8874 actuator flange please consult factory.</p> <p><b>Fatigue Grips</b></p>	157 440,00
1	2742-315	<p><math>\pm 10</math> kN <math>\pm 100</math> Nm Linear-Torsion Pneumatic Wedge-Action Grips</p> <ul style="list-style-type: none"> <li>- Features side-entry design for easy specimen insertion</li> <li>- Suitable for tension, compression and torsion, including full reverse-stress dynamic testing</li> <li>- Dynamic Linear Capacity: <math>\pm 10</math> kN (<math>\pm 2250</math> lbf)</li> <li>- Dynamic Torque Capacity: Up to <math>\pm 100</math> Nm (<math>\pm 880</math> lbf.in)</li> <li>- Temperature Range: Ambient only</li> <li>- Mechanical Interface: Flange Mount (6 x M8 clearance holes on 75 mm PCD)</li> <li>- Dimensions: 230 mm high x 210 mm wide (excluding air hose)</li> <li>- Grip Mass: 10.5 kg (23.14 lbs) approximately per grip (including jaw faces)</li> <li>- No adapters required to mount to E10000 test instruments</li> <li>- Quantity: 2 grips</li> </ul> <p>Requires: Suitable jaw faces and 2718-013 pneumatic air kit</p>	201 600,00

Qty	Cat No	Description	Price
1	2742-306	<p>±10 kN ±100 Nm Linear-Torsion Mechanical Wedge-Action Grips</p> <ul style="list-style-type: none"> <li>- Features side-entry design for easy specimen insertion from the side</li> <li>- Suitable for tension, compression and torsion, including full reverse-stress dynamic testing</li> <li>- Dynamic Linear Capacity: ±10 kN (±2250 lbf)</li> <li>- Dynamic Torque Capacity: Up to ±100 Nm (±880 in-lb)</li> <li>- Operating temperature of grips: -70 to +350°C</li> <li>- Compatible with 2527-202 (10kN) Biaxial Load cells</li> <li>- Short lower grip pullrod for ambient use to suit use on E10000 with load cell on base.</li> <li>- Requires: Jaw faces 2703-801 - 2703-807</li> </ul> <p>Notes:</p> <ul style="list-style-type: none"> <li>- The upper grip mounts directly to the actuator output flange</li> <li>- If used with 3119-605 chamber then 2742-308 pullrods must be supplied</li> </ul>	221 760,00
1	2742-308	<p>Flange mounted pullrods for use with 2742-306 10kN/100Nm biaxial mechanical grips and 3119-505 chamber on an E10000 (load cell on base).</p> <p>Specification:</p> <ul style="list-style-type: none"> <li>- Includes 1 upper and 2 lower pullrods to optimise grip travel within the chamber</li> <li>- Operating temperature of pullrods: -70 to +350°C</li> <li>- Includes 1 pair of port reducing plugs for the temperature chamber</li> </ul> <p>Requires:</p> <ul style="list-style-type: none"> <li>- 2742-306: 10kN / 100Nm biaxial mechanical grips for E10000</li> </ul> <p>Note:</p> <ul style="list-style-type: none"> <li>- Not suitable for 1kN/25Nm loadcell 2527-203</li> </ul>	164 800,00
1	2718-013	<p>Pneumatic Air Kit For ElectroPuls Test Instruments</p> <p>Air manifold, hoses and cables required to control pneumatic grips on ElectroPuls test instruments featuring grip control buttons on jog handset.</p> <p>Includes:</p> <p>Manifold, cables to interface with controller, and hoses between manifold and grips.</p> <p>Requires: Compressed 6 bar air supply</p> <p>Note: Compatible with 8800 Tower AND 8800MT Controller</p>	67 200,00
1	2703-801	<p>Flat serrated jaw faces 25mm (1 in) wide for gripping flat specimens 0 to 6.3mm (0 to 0.25 in) thick. Quantity of 4 faces.</p>	24 320,00
1	2703-802	<p>Flat serrated jaw faces 25mm (1 in) wide for gripping flat specimens 6.3 to 12.7mm (0.25 to 0.50 in) thick. Quantity of 4 faces.</p>	24 320,00
1	2703-803	<p>Vee jaw faces for gripping round specimens 3.0 to 7.8mm (0.12 to 0.31 in) diameter. Quantity of 4 faces.</p>	24 320,00

Qty	Cat No	Description	Price
1	2703-804	Vee jaw faces for gripping round specimens 7.1 to 12.7mm (0.28 to 0.50 in) diameter. Quantity of 4 faces.	24 320,00
1	2703-807	Vee jaw faces for gripping round specimens 12.0mm to 18.0 mm (0.48 to 0.71 in) diameter. Rated to 10kN Axial force and 100Nm torsional capacity. Quantity of 4 faces.	24 320,00

#### Temperature chamber with Accy

1	3119-605	Instron Environmental Chamber. Temperature range: Ambient to +350 °C (+660 °F). Includes: - Digital temperature controller - Internal light - Removable wedge-ports with instrumentation cut-out - Left-hand hinged door with optical-quality heated glass window for use with Instron video extensometers.	361 600,00
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Note: Cooling options available for testing below ambient temperatures.

Dimensions:

Internal

- Height: 560 mm (22.0in)
- Width: 240 mm (9.4in)
- Depth: 230 mm (9.0 in).

External

- Height: 710 mm (27.9 in)
- Width: 350 mm (13.8 in)
- Depth: 590 mm (23.3 in).

1	3119-605A2	Advanced Temperature Controller with the following additional features over the standard option: - USB interface and 5m cable for connection to a PC - Manually programmable 8 segment ramp/dwell function - 0-10V Analog output (non-scalable) with 5m cable (9 pin to 25 pin) to connect to an SCM	25 872,00
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1	3119-605B2	LN2 cooling option. Minimum temperature: -100 °C (-150 °F)	25 600,00
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Note: This unit requires the (customer) supply of Liquid LN2 coolant and hoses.

Prolonged use at sub-ambient temperatures can result in icing around the pullrod ports, door seal and window. Amount of icing is dependant on test duration, ambient humidity and the frequency of door opening/closure.

Door window incorporates dual heaters to reduce condensation/frosting during low temperature testing although complete window clarity cannot be guaranteed below -30°C (-22°F). It may be possible to achieve adequate clarity at lower temperatures depending on test conditions.

1	3119-605C3	IEC 200-240 V AC mains cable (EU), length 2.7m, single phase, 50/60 Hz, fitted with blue IEC60309, 16 amp power plug.	
1	3119-102	Automatic self pressurizing Dewar Flask for LN2 Coolant. 120 litres capacity. Supplied empty. LN2 not included.	152 320,00

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Qty	Cat No	Description	Price
		European fittings (1/2" BSP male), compatible with hose 3119-104 only	
1	3119-104	LN2 Coolant Hose Set (European), 2 meters (6.5 ft) 1/2 in BSP female on both ends.	12 800,00
1	3119-230	Roller Carriage Brackets for use with 3119-606 Chamber.	97 920,00
1	3119-230A1	Chamber Roller Bracket For use with 3119-005, -006, -009, -405, -406, -409, -505, -506, -605, -606, -609 Chambers.	
1	3119-230B2	Frame Mounting Bracket Requires 3119-230A1 option For use with: 336X, 446X, 556X, 586X and 596X table top systems 338X floor model systems 448X, 558X, 588X and 598X floor model systems. 4201, 4202 and 4204 table top systems (metric versions only) 4501 and 4502 table top systems 4206, 4208 and 4210 floor standing systems (metric versions only) 8871, 8872 and 8874 systems 4505 systems (mounting under fixed upper crosshead with 2518-8XX or 2525-8XX load cell). E10KNL and E10KNB E3000 (requires 1300-311 ElectroPuls support table)  Frame mounting height: 86 mm and 124 mm	
1	3119-230C1	Support Leg - Table models, 33/55/58/596X, 338Xs, 55/58/598X with base extensions For use with: 336X, 446X, 556X, 586X and 596X table top systems 338X floor model systems 448X, 558X, 588X and 598X floor model systems with base extensions 4201, 4202 and 4204 table top systems (metric versions only) 4501 and 4502 table top systems 4204, 4206, 4208 and 4210 floor standing systems (metric versions only) 8871, 8872, 8874 and 8516 systems E10KNL and E10KNB E3000 (requires 1300-311 ElectroPuls support table)  Leg height, adjustable: 790 - 1390 mm.	

### Extensometers

1	2620-602	Dynamic Extensometer for direct strain measurement and closed loop strain control. suitable for tensile, compressive & fatigue testing, the extensometer has a 12.5mm gauge length with a travel of +/-2.5mm giving +/-20% strain. It includes a 12.5mm extender to give a gauge length of 25mm and +/- 10% strain and a 37.5mm extender to give a gauge length of 50mm and strain of +/-5% strain. Temperature range: -80C to +200C. Compatible with 8800 and 8500Plus controllers. May be immersed in acetone, silicone or alcohol.	59 520,00
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### Non-contact extensometer

Qty	Cat No	Description	Price
1	2663-901	Advanced Video Extensometer 2 (AVE 2) Includes the extensometer, electronics, 2D calibration fixture, gauge mark template, and marker pens. Requires the selection of one mounting, one system interface, one or more lenses, one illumination bar, and one DIC option.	588 800,00
1	2663-901T3	Transverse and Dynamic Strain Measurement Option  Includes the static transverse measurement option for use with Bluehill and as analog output signal. When purchased with the Dynamic Strain Measurement option, cyclic transverse measurements can also be acquired with your WaveMatrix test data. The dynamic axial strain measurement and control option is used for both cyclic tests and fast ramp tests using WaveMatrix software. It is compatible with the 16mm focal length lens and WaveMatrix, including the WaveMatrix calculations module.  Note: The Dynamic Strain Measurement option requires an 8800MT controller with Console V8.11, Firmware V12.15 and WaveMatrix V1.9 or later.	256 000,00
1	2663-901R3	Licensed copy of DIC Replay  Note: Requires the use of BH3.62 or higher on an Instron frame. Not for use on non-Instron test frames. Instron strongly recommends either: 1) a PC mouse (not included) when used with Bluehill Universal Operator Dashboard or 2) a separate PC for DIC data analysis.	441 600,00
1	2663-901P3	Continental Europe, Korea - Euro CEE7/7 (Hybrid Type E/F)	
1	2663-901J1	Standard - Illumination kit for FOVs less than or equal to 250 mm	32 000,00
1	2663-901E1	Standard Field of View Lens - 16 mm Focal Length 240 mm FOV on Table (standard width) models, Single columns, ElectroPuls & 8800 310 mm FOV on standard width floor models 400 mm FOV on heavyweight frames (5988 & 5989)	24 000,00
1	2663-901C5	Interface and cables for 8800MT systems - axial & transverse strain. Includes quantity 2 digital encoder data acquisition channels. Note: Requires Console V8.9 and Firmware V12.14 or later.	
1	2663-901BD	ElectroPuls - E3000, E10000 & Servohydraulic - 8870 - WITH Chamber - Mounting Mounts directly to the base and test frame column. Extensometer is positioned at 30 degrees to the loadstring for ambient testing. Suitable for both static and dynamic testing.	137 600,00
1	2663-901AB	Czech language option  Accy for CT Samples	
1	2670-130	Crack Opening Displacement (COD) Gauge 5/2 - Gauge Length: 5mm (0.197inches) - Travel: 2mm (0.079inches) - Temperature range: -200°C to +200°C (-328°F to +392°F) - Complies to the requirements of ASTM E399-09	83 200,00
1	2501-132	Adapters kit for 2750-118, 2750-119, clevis grips. Upper and lower fitting: M30x2 threaded accessory female end fitting. Requires appropriate adaptors for load cell and crosshead adaptor.	31 680,00

Qty	Cat No	Description	Price
1	2750-118	<p>Fracture Mechanics Grips for 6.5 mm and 13 mm thick specimen.  Rated capacity: <math>\pm 10</math> kN Dynamic, 20 kN Static.  Temperature Range: 0 to 100°C  Requires 2501-132. adapter kit  (1 pair)  <b>Other Accy</b></p>	94 400,00
1	CP108338	<p>50mm Biaxial Compression Platens for E10000</p> <p>Pair of 2 inch (50.8mm) diameter compression platens.</p> <p>Short bi-axial compression/torsion pushrod to interface the lower compression platen to an E10000 machine loadcell/base. Pushrod length will allow the compression platens to touch.</p> <p>NOTE:  Upper compression platen will attach directly to the E10000 output flange.</p> <p>The lower platen can be aligned to be parallel with the upper platen by means of a ball bearing seated beneath the lower platen.</p> <p>Temperature rating: Ambient only.</p> <p>Load rating: 10kN compression and 100Nm torsion.</p> <p>Compression platens will incorporate LVDT mounting holes as per the standard compression platen 2840-118.</p> <p>Exclusions:  LVDT's for use with the compression platens.</p>	124 960,00

#### **BioBath pro testování v biologickém a Korozním prostředí.**

1	3130-100	<p>BioPuls Bath</p> <p>Standard features include:</p> <ul style="list-style-type: none"> <li>- Bath designed for use with distilled water or saline solution for testing biomedical test specimens</li> <li>- Bath includes an upper and lower pull rod for mounting of grips or testing fixtures</li> <li>- Pneumatically powered lifting mechanism smoothly raises and lowers the bath, preventing spillage</li> <li>- Allows accurate close loop control of bath temperature at 37 °C <math>\pm 1</math> °C</li> <li>- Upper pull-rod designed to minimize buoyancy changes during low force testing</li> <li>- Pull rods have M6 female connections with two 3 mm pins for fixture mounting and alignment</li> <li>- Compatible with Standard Video Extensometer (SVE) for axial strain measurements</li> <li>- Strain measurement verification possible for axial strain only</li> <li>- Maximum travel with SVE: 100 mm</li> <li>- Vertical bath travel: 200 mm</li> <li>- Bath volume: 3.1 L</li> <li>- Bath inner diameter: 140 mm</li> <li>- Easy drainage through one-way tubing</li> <li>- Temperature range: Ambient to 40 °C</li> </ul>	267 200,00
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Qty	Cat No	Description	Price
		<ul style="list-style-type: none"> <li>- Protective cover provided to shield machine from fluid spillage</li> <li>- Controller supply power: 120 VAC to 240 VAC 50/60Hz</li> <li>- Mounts to base holes in test frame</li> </ul>	
1	3130-100B4	Mounting for ElectroPuls	
1	3130-100D2	Voltage option 240 V. PLUG 250V NEMA L6-15 WATERTIGHT, 15 AMP	
1	2710-204	Basic Screw Side-Action Grips. Capacity: 2 kN (200 Kgf, 450 lbf). Temperature Range: 10 °C to 40 °C (50 °F to 100 °F) Upper and lower fittings: Type O (12 mm connection with 6 mm clevis pin) Suitable for specimen thicknesses up to 15 mm (0.6 in) Requires jaw faces	16 640,00
1	2702-141	Jaw faces, serrated, 50 mm wide x 30 mm high (2.0 in x 1.2 in). For specimens up to 15 mm (0.6 in) thickness. For 2710-203, 2710-204, 2710-205 grips. Přípravek Biologické lázně	7 680,00
1	CP103056	Temperature Recirculator System Temperature Controlled Fluid Recirculator designed for connection to saline bath/tank. <ul style="list-style-type: none"> <li>- Pump Type: Peristaltic.</li> <li>- Temperature Range: 30 to 50°C.</li> <li>- Heating Rate: 0.5°C / litre / minute.</li> <li>- Tuning Temperature (default): 37°C.</li> <li>- Selectable Input Voltage: 115V 60Hz or 230V 50Hz.</li> <li>- Fluid Volume: 0.12 litre.</li> <li>- Fluid Compatibility: Mains Water, Saline Solution, Distilled Water and De-ionised Water.</li> </ul>	204 800,00
		<p>Note: Electrical supply cable is country dependent and is not included. The correct mains cable will need to be selected and added as a line item to the order.</p> <p><b>Application Software</b></p>	
1	2495-915	WaveMatrix Dynamic Testing Software for Instron 8800 systems, ElectroPuls and Extend Upgrades	164 480,00

WaveMatrix Dynamic Testing Software provides users the ability to define and run tests, and to acquire data for a wide range of dynamic and quasi-static applications. Tests can range from simple single-axis ramps and repetitive waveforms, to more complex multi-axis and multi-step tests.

Test methods are quickly and easily constructed using a series of steps within a matrix structure, allowing the user full control over waveform shape, control mode, data logging and test progress. Completely independent waveforms can be performed on each axis for systems with multiple axes of control. During the test method construction the user is presented with a clear graphical preview of how the test will run.

During the test a range of comprehensive data logging and data reduction tools enable the user to acquire the required data and at the same time minimise data file size through intelligent data reduction features. The user can configure the Live Test Workspace to show



Qty	Cat No	Description	Price
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up to four real time graphs and add progress or status indicators.

Test results are automatically grouped together within a logical project structure allowing quick access to the data files and batch transfer of results. To aid results tracking a read-only copy of the test method is always stored with the test results.

Features include:

- Support for up to six 8800 Integrated Axis Cards (or a combination of IAC cards and 8800-103 data acquisition boards)
- Up to a maximum of 24 channels of control or acquisition
- Control or acquisition of temperature from a Eurotherm 2408CC or 3200CC device
- Capable of 1ms interblock transfer time from one step in the sequence to the next
- Trend monitoring function - a change in max, min, mean or amplitude from a user defined reference cycle can be used to control test flow or end test
- Amplitude control to correct for peak errors in a cyclic waveform
- Supported waveform types; sine, triangle, square, holds, ramps, trapezoidal, user defined turn points files, and sample data playback
- Mixed mode control on cyclic waveforms
- User defined events to control test progress
- The ability to automatically balance extensometers and derived position channels at any stage of the test
- Up to four real time graphs; X-Y, Double Y, Trend, Multi channel, chart recorder
- Single and nested looping of steps
- Advanced Data Reduction; either on time basis or change in channel value.
- Extensive data logging; per cycle data (max /min /amplitude /mean level), full hysteresis data, or both combined; at linear, logarithmic, change in value or user defined intervals
- Data storage to computer disk in ASCII format at rates up to 5kHz synchronous on up to 24 channels
- Ability to pause and resume a test, either immediately or at some point in the future
- Control of digital and analogue outputs
- Waveform start and stop enveloping
- Tracking and Peak & Trend Live Displays
- Can be expanded with Calculations (D1) or Advanced Control (E1) modules
- Set of Electronic Manuals in PDF Format
- Available in English, French, German or Japanese

1	2495-915D1	WaveMatrix Calculation Module	76 160,00
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WaveMatrix's Calculation Module is an option that enables a user to set up and perform various real-time calculations as part of a test.

Calculations can be added to a test method as either tracking channels (providing continuous data) or peak & trend channels (providing one data value per cycle) and permits:

- \* Saving of calculated values into the results files as selected by a user
- \* Displaying of calculated values on graphs found on the Live Test Workspace
- \* Calculated values to be used as data processing or trend monitoring criteria

WaveMatrix supports the following standard calculation types:

- \* Acceleration
- \* Dynamic Mechanical Analysis (DMA) Calculations [Loss Angle, Tan

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Qty	Cat No	Description	Price
		<p>Delta, E*, E', E'', Energy, Energy Loss, K* and Frequency] to be used in combination with a fatigue or durability test</p> <ul style="list-style-type: none"> <li>* Elastic Stiffness Calculations [Elastic Stiffness, Compliance and Force Intercept]</li> <li>* Energy Calculations [Total Energy, Cycle Energy, Cycle Energy Range, Max Cycle Energy, Min Cycle Energy, Residual Cycle Energy, Total Cycle Energy]</li> <li>* Frame Compliance Correction</li> <li>* Velocity</li> <li>* Young's Modulus</li> <li>* User Defined (for experienced C# programmers only)</li> </ul> <p>See data sheet for further information.</p>	
1	2450-700	<p>Bluehill Universal Testing Software for NEW 3300, 5900, 59 Series, 8800, and New EXTEND Retrofits</p> <p>Bluehill Universal is Instron's premier materials and components testing software package meeting the needs of a wide variety of applications including plastics, composites, metals, elastomers, biomedical, adhesives, textiles, components and others. Each application module provides the capability for tension, compression, flexure, stress-relaxation, creep, peel, tear and friction testing and test control based off of displacement, force, or strain. Also included is Instron's complete calculation library with hundreds of different calculations such as modulus and ultimate tensile strength, as well as user-defined calculations. Bluehill's one-of-a-kind report generator allows users to create customized report templates that can be linked with test methods and used to export test results via email or save as HTML, Word or PDF. Raw data and result export files are completely customizable for enhanced compatibility with Laboratory Information Management Systems. Options for advanced test control, such as block loading, and data analysis, such as web camera recording, are also available.</p> <p>For Windows 7 Professional (32 or 64 Bit) or Windows 10 Professional (64 Bit only) operating systems (Win 10 recommended).</p>	181 440,00
1	2450-700G1	<p>TestCam Video Recording and Playback Module</p> <p>The TestCam Video Recording &amp; Playback option provides engineers and quality professionals with a video record of how the test was conducted and how the specimen failed, by recording the test from start to finish using almost any USB video recording device. After testing, the user can replay the test or use a scanning cursor to select particular points of interest while viewing of the associated test video frame. The video can be stored and sent electronically. Requires DirectX compatible video capture system (such as a webcam) with USB cable and camera mounting.</p>	28 160,00
1	2450-700F1	<p>TestProfiler</p> <p>TestProfiler allows you to create custom test control sequences (profiles) with a simple, user friendly interface. Complex cyclic test sequences are readily created by using TestProfiler's waveform building steps (triangles, ramps and holds). Your test method is graphically displayed as you create it and standard Window's tools (cut, paste, copy, delete, etc.) can be used to quickly create or modify virtually any complex test sequence. Test results can be independently assigned to individual test steps and the graphical display of test results can be filtered to show only the steps (cycles) of interest.</p>	60 800,00

Qty	Cat No	Description	Price
		A completely redesigned TestProfiler was introduced with Bluehill 3.61 with enhanced usability and test control flexibility. Examples of the enhanced test control include ability to	
		- Change temperatures of select chamber or furnace models in the middle of a test	
		- Change the data acquisition frequency for each individual segment of the test (called step)	
		- Allow rapid changes to profile parameters between tests using operator inputs	
1	2450-700C7	For ElectroPuls controller series.	
1	2450-700AB	Czech language option.	
		SubTotal	8 276 912,00
1		Export Packing, Handling & FOB charges	32 000,00
		Running SubTotal	8 308 912,00
1		MFF UK Discount	-45 062,08
		Running SubTotal	8 263 849,92

**TOTAL DAP bez DPH** 8.263.850,- Kc

**DPH 21%** 1.735.408,50,-Kc

**Total s DPH** 9.999.258,50,-Kc

#### DODACÍ LHŮTY A PODMÍNKY

PLATNOST NABÍDKY  
30 dní od data vystavení.

DODACÍ LHŮTA  
do 6ti měsíců od obdržení objednávky na základě podepsané smlouvy na plnění zakázky.

UVEDENÍ DO PROVOZU.  
Cena zahrnuje návštěvu servisního technika firmy Igitur za účelem instalace na místě, předvedení funkce a zaškolení obsluhy v potřebném rozsahu

SERVIS  
Firma Igitur zabezpečuje servis.

ZÁRUKA  
24 měsíců ode dne podpisu předávacího protokolu zadavatelem.

Za IGITUR s. r. o.  
Vítězslav Hajný