

## EC Declaration of Conformity

**Manufacturer**    **Alpha Technologies**

**Address**            **Unit 2B Crowood House, Gipsy Lane, Swindon SN2 8YY, UK**

**Product Type**    **Hardness Analyser**

**Model No**         **D2020**

Declare that the product described above is in conformity with the relevant provisions of the following directive(s) as amended.

**Machinery Directive**    **98/37/EC**

**Low Voltage Directive**    **73/23/EEC (as amended by 93/68/EEC)**

**EMC Directive**            **89/336/EEC (as amended by 91/263/EEC, 92/31/EEC, 93/68/EEC, 93/97/EEC)**

The product has been tested and assessed by application of the following standards or specifications, and the National Laws and Regulations adopting these directives. The details of which are contained in the Technical File **SDA07TF0332**.

Standard /	Year	Description
BS EN ISO 12100-1	2003	Safety of machinery. Basic concepts, general principles for design. Basic terminology, methodology
BS EN ISO 12100-2	2003	Safety of machinery. Basic concepts, general principles for design. Technical principles
BS EN 60204-1	1993	Safety of machinery. Electrical equipment of machines. Specification for general requirements
BS EN 294	1992	Safety of machinery. Safety distances to prevent danger zones being reached by the upper limbs
BS EN 349	1993	Safety of machinery. Minimum gaps to avoid crushing of parts of the human body
BS EN 418	1992	Safety of machinery. Emergency stop equipment, functional aspects. Principles for design
BS EN 811	1997	Safety of machinery. Safety distances to prevent danger zones being reached by the lower limbs
BS EN 954-1	1997	Safety of machinery. Safety related parts of control systems. General principles for design
BS EN 1050	1997	Safety of machinery. Principles for risk assessment
BS EN 1037	1996	Safety of machinery. Prevention of unexpected start-up
BS EN 1033	1996	Hand-arm vibration
ENISO 3744	1995	Determination of sound power levels of noise sources using sound pressure
BS EN 547-1	1997	Safety of machinery. Human body measurements. Principles for determining the dimensions required for openings for whole body access into machinery
BS EN 547-2	1997	Safety of machinery. Human body measurements. Principles for determining the dimensions required for access openings
BS EN 953	1998	Safety of machinery. Guards. General requirements for the design and construction of fixed and movable guards
BS IEC 61000-5-1	1996	Electromagnetic compatibility (EMC). Installation and mitigation guidelines. General considerations.
BS IEC 61000-5-2	1997	Electromagnetic compatibility (EMC). Installation and mitigation guidelines. Earthing and cabling
BS EN 61000-6-4	2001	Electromagnetic compatibility (EMC). Generic standards. Emission standard for industrial environments
BS EN 61000-2-4	2002	Electromagnetic compatibility (EMC). Environment. Compatibility levels in industrial plants for low-frequency conducted disturbances
BS EN 61000-5-7	2001	Electromagnetic compatibility (EMC). Installation and mitigation guidelines. Installation and mitigation guidelines. Degrees of protection by enclosures against electromagnetic disturbances (EM code)
BS EN 61000-6-2	2001	Electromagnetic compatibility (EMC). Generic standards. Immunity standard for industrial environments
BS IEC 61000-2-7	1998	Electromagnetic compatibility (EMC). Environment. Low frequency magnetic fields in various environments

*Compliance with the Harmonised European Standards listed here gives a presumption of conformity to the relevant EU Directives noted in the Technical File, SDA07TF0331 for this product held by the Manufacturer and their Authorised Representative.*



BS EN ISO 4871 1997 Acoustics. Declaration and verification of noise emission values of machinery and equipment  
PD 5304 2000 Safe use of machinery

Certificate of Assurance : **MD07P0336** Dated : 11/05/2007

Assessment Report : **SDA07A0336** Dated : 11/05/2007

Responsible Person :

Name : Mr Peter Goddard

Position in Company : Dated :

*Compliance with the Harmonised European Standards listed here gives a presumption of conformity to the relevant EU Directives noted in the Technical File, SDA07TF0331 for this product held by the Manufacturer and their Authorised Representative.*