



Building Diagnostic Consultants Limited

香港工程質量檢測中心有限公司

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CLIENTELE : Public
服務對象 公眾



Scope of Accreditation
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ACCREDITED TEST : Calibration Services 校正服務
CATEGORY : Construction Materials 建築材料
認可測試類別

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Calibration Services 校正服務		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED® 特定測試或量度的特性®	CALIBRATION AND MEASUREMENT CAPABILITY (CMC)* 校準和測量能力*
Vibration measurements - Vibration meter / Vibration monitoring device	<p>Calibration for the following parameters of continuous sinusoidal vibration by using the laboratory standard accelerometer in accordance with in-house procedure DOC/CAL01:</p> <ul style="list-style-type: none"> - Displacement over the following range: 20 Hz to 100 Hz 0.03 mm to 0.12 mm - Acceleration over the following range: 20 Hz to 100 Hz 2000 mm/s² to 15000 mm/s² - Velocity over the following range: 20 Hz to 100 Hz 5 mm/s to 50 mm/s 	<p>10.5%</p> <p>10.5%</p> <p>10.5%</p>

® Unless otherwise specified, accredited activities are conducted at the laboratory.

* The calibration uncertainty of a device under test, which is usually reported at 95% confidence level, depends on both the CMC of the laboratory and the performance of the device during calibration.

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Verification of Construction Materials Testing Equipment - Cross-hole analyser - Ultrasonic drilling monitor / Echo sounder signal recording apparatus	Calibration of time interval of the main unit using a simulator (not including the effect of the transducer and media) in accordance with in-house method DOC/CAL03 over the following range: 200 μs to 1000 μs Calibration for ultrasonic frequency in accordance with in-house method DOC/CAL04 at the following nominal value: 88 kHz	10 μs 0.9 kHz

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Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
Adhesive	Pull-off test of mortar	In-house method DOC/TP17
	Pull-off test of plaster	In-house method DOC/TP17
	Pull-off test of render	In-house method DOC/TP17
	Pull-off test of tiles	In-house method DOC/TP17
Concrete (diagnostic)	Carbonation test	Hong Kong Housing Authority Materials Testing Services (2012/2014) for Maintenance & Building Materials Specification Part D Cl. 4.3.1 (Method 1 & Method 2)
	Covermeter survey	BS 1881: Part 204: 1988
	Half-cell potential measurement	ASTM C876-91
	Infrared thermography for detection of external wall debonding/delamination	Hong Kong Concrete Institute TM1 Issue 2 (2022)
	Surface hardness measurement	BS 1881: Part 202: 1986 Cl. 6
Paint & varnish	Pull-off test of adhesion	BS EN ISO 4624: 2003, BS 3900-E10: 2003 Cl. 9.4.2 and Cl. 9.5