



Übereinstimmung mit den Anforderungen zur CE-Erklärung

Hersteller: Hoover Dam Technology Asia Limited
Office B2, 16/F., Legend Tower
7 Shing Yip Street, Kwun Tong, Kowloon, Hong Kong

Produkt Name: Motortester und Drehfeldrichtungsanzeiger

Modell-Nummer: 8130, 8131, 8132, 8133

Hiermit bestätigen wir, dass die oben genannten Produkte mit den nachfolgenden Europäischen Richtlinien konform sind:

Richtlinie	Angewendete Norm
EMV-Richtlinie 2014/30/EU	EN 61326-1:2013 EN 55011:2016 + A1:2017
Niederspannungs-Richtlinie 2014/35/EU	EN 61010-1:2010 EN 61557-1:2007; EN 61557-7:2007
RoHS-Richtlinie 2011/65/EU + delegierte Richtlinie (EU) 2015/863 der Kommission	IEC 62321:2008 IEC 62321-3-1:2013 IEC 62321-4:2013 + A1:2017 IEC 62321-5:2013

Die oben genannten Produkte entsprechen der RoHS-Richtlinie 2011/65/EU des Europäischen Parlaments und des Rates vom 08.06.2011 zur Beschränkung der Verwendung gefährlicher Stoffe in Elektro- und Elektronikgeräten und der delegierten Richtlinie (EU) 2015/863 der Kommission vom 31.03.2015.

Dabei handelt es sich namentlich um folgende Substanzen:

Blei (Pb)
Cadmium (Cd)
Quecksilber (Hg)
Hexavalentes Chrom (Cr)
Polybromierte Biphenyle (PBB)
Polybromierte Diphenylether (PentaBDE, OctaBDE, DecaBDE)
Di(2-ethylhexyl)phthalat (DEHP)
Butylbenzylphthalat (BBP)
Dibutylphthalat (DBP)
Diisobutylphthalat (DIBP)

Hoover Dam Technology Asia Limited bestätigt hiermit, dass oben genannte Produkte RoHS-konform produziert werden.

Accordance with requirements for CE declaration

Manufacturer: Hoover Dam Technology Asia Limited
Office B2, 16/F., Legend Tower
7 Shing Yip Street, Kwun Tong, Kowloon, Hong Kong

Product Name: Motor tester and rotary field indicator

Model Number: 8130, 8131, 8132, 8133

We herewith confirm that the products described above comply with the following European Directives:

Directive	Applied Standard
EMC Directive 2014/30/EU	EN 61326-1:2013 EN 55011:2016 + A1:2017
Low Voltage Directive 2014/35/EU	EN 61010-1:2010 EN 61557-1:2007; EN 61557-7:2007
RoHS Directive 2011/65/EU + Commission delegated Directive (EU) 2015/863	IEC 62321:2008 IEC 62321-3-1:2013 IEC 62321-4:2013 + A1:2017 IEC 62321-5:2013

The products described above comply with the RoHS Directive 2011/65/EU of the European Parliament and the Council from 08/06/2011 on restriction of the use of certain hazardous substances in electrical and electronic appliances and with the restriction of the Commission delegated Directive (EU) 2015/863 from 31/03/2015.

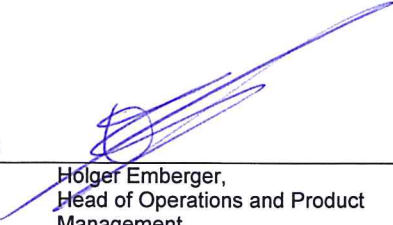
Following substances namely are involved:

Lead (Pb)
Cadmium (Cd)
Mercury (Hg)
Hexavalent Chromium (Cr)
Polybrominated Biphenyls (PBB)
Polybrominated Diphenyl Ethers (PentaBDE, OctaBDE, DecaBDE)
Bis(2-ethylhexyl) phthalate (DEHP)
Butyl benzyl phthalate (BBP)
Dibutyl phthalate (DBP)
Diisobutyl phthalate (DIBP)

Hoover Dam Technology Asia Limited herewith declares that the above-named products are manufactured in compliance with RoHS.

Hong Kong, 04. October 2019

Ort/Location, Datum/Date


Holger Emberger,
Head of Operations and Product
Management



Firmenstempel/Company Stamp

Delta-Report

New Model:	8131
Reference model(s)	8133, 8130
Covered report	EMV
Date:	07.10.2019

Notes:	This report shows why the test results of the reference model can be considered to be same for the new model.
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Reason why results of the tests can be considered to be identical for both models:

The models 8131 and 8130 are very similar. Only difference is the type of showing:

- 8130 shows the rotary field by LCD
- 8131 shows the rotary field by LED

So the schematic and layout is identical beside the difference that 8131 drives LEDs and 8130 drives LCD segments. This means that the layout was tested with tests of model 8130. The LEDs neither have bad influence on the results of EMC-test. This is proved by tests of 8133, where the same LEDs are used like in 8131.

Delta-Report

New Model:	8131
Reference model(s)	8130
Covered report	LVD
Date:	07.10.2019

Notes:	This report shows why the test results of the reference model can be considered to be same for the new model.
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Reason why results of the tests can be considered to be identical for both models:

The models 8131 and 8130 are very similar. Only difference is the type of showing:

- 8131 shows the motor / rotary field by LEDs
- 8130 shows direction of motor / rotary field by LCD

So the housing and also clearances and creepage distances are same. The distances on PCBA are same as well and because of that it can be considered that both models have same results in LVD-test. Due to the fact that 8130 passed LVD-test, 8131 fulfills all requirements as well.