



Australian Government
 Department of Industry,
 Innovation and Science



OIML Member State
 Australia

National Measurement Institute

OIML Certificate No.
R117/2007-AU1-16.01
 NMI file: R2015/201
 NMI Certificate of Approval: S718

OIML BASIC CERTIFICATE OF CONFORMITY

Issuing Authority National Measurement Institute
 Bradfield Rd
 Lindfield NSW 2070
 Australia

**Applicant and
 Manufacturer** Diamond Key International Pty Ltd
 110 Henderson Road
 Rowville VIC 3178
 Australia

**Identification of the
 Certified pattern:** A Diamond Key International FlexLinc model FLX-BC-D-1-1-C-0-L-A-A (#) loading controller. Further characteristics on page 2.

(#) Variations to certified pattern: Flexlinc FLX-DI (Display Interface) and FLX-LC (Load Controller)

This Certificate attests the conformity of the above identified pattern (represented by the sample or samples identified in the OIML Basic Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R117-Edition 2007(E) for accuracy class: 0.5

This Certificate relates only to the metrological and technical characteristics of the pattern of instrument covered by the relevant OIML Recommendation identified above.

This Certificate does not bestow any form of legal international approval.

Certificate history:

| Issue no. | Date | Description of the modification |
|-----------|-------------|---------------------------------|
| 1 | 20 Oct 2016 | Initial issue |

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML Basic Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

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The OIML Issuing Authority



Dr Amanda Rawlinson
Manager, Pattern Approval
Date: 20/10/2016



Accredited for Compliance with
ISO/IEC 17025
(Accreditation Number: 3207)

The conformity was established by the results of tests and examinations provided in the associated Test Report:

NMI Australia report no. R2015/201_DKI [1],
dated 16th August 2016, that includes 59 pages plus Appendix 1 for checklists.

Appendix 1 (checklists split across 5 documents):
R2015201_DKI_[Appendix 1]_R117-1F1 – 2 pages
R2015201_DKI_[Appendix 1]_R117-1F2 – 8 pages
R2015201_DKI_[Appendix 1]_R117-1F3 – 7 pages
R2015201_DKI_[Appendix 1]_R117-1F1 – 4 pages
R2015201_DKI_[Appendix 1]_R117-1F1 – 11 pages

Characteristics of the loading controller:

| | |
|--------------------------|-----------------------------|
| Accuracy class | 0.5 |
| Environmental class | Class C |
| Environmental range | -25 °C / +55 °C |
| Power supply voltage | 110-240 VAC mains supply |
| Liquid Temperature range | -10 °C / +50 °C |
| Maximum input frequency | 10000 pulses/second/Channel |
| Software identification | M2.1.2-P2.1.0 |

The conversion is based on ASTM-IP-API Petroleum Measurement Table 54A for Crude Oils, or Table 54B for Generalised Petroleum Products, or Table 54C for pure biodiesel (to Australian government standard), or Table 54D for Lube Oils.

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