

# EU-Type Examination Certificate

## 2051-RED-184702

In compliance with Directive (EU) No 2014/53 of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment (RED), this certificate applies to the product(s)

**Dashboard Ducati**  
**Model: 1508 LCD**

Placed on the market under the name or trade mark of

**M.A.E. Elettronica S.r.l.**  
**Via Presolana 29/31/33/35**  
**24030 - Medolago (BG), Italy**

This certificate attests that all provisions concerning the assessment and verification of performance described in the standard(s)

**Art 3.1a:** EN 60950-1:2006+A1:2010+A11:2009+A12:2011+A2:2013  
EN 62311:2008  
**Art 3.1b:** ETSI EN 301 489-1 V2.2.0:2017  
ETSI EN 301 489-3 V2.1.1:2017  
**Art 3.2:** ETSI EN 300 330 V2.1.1:2017

as per Annex III (Module B) for the performance set out in this certificate, are applied.

Certificate issued November 20, 2018  
*Certificate was first issued November 20, 2018*

Certificate Revision: 0

**Nemko S.p.A.**  
*Authorized signatory:* Marco De Angelis

# NB 2051


This certificate has been granted by Nemko Spa a Socio Unico, Via del Carroccio 4, 20853 Biassono (MB), Italy

This certificate remains valid, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market. Nemko Spa is designated by the Italian Notifying Authority "Ministry of Economic Development".

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Nemko for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel in the establishment or issuance of this document, and in connection with any activities for which it may provide.

## ANNEX 1 – PRODUCT SPECIFICATIONS

### PRODUCT DESCRIPTION

Equipment identification: Dashboard Ducati  
Model/type: 1508 LCD  
Variants: --  
Brand/trade name:   
Supply voltage: 6.5 Vdc (Min) , 14.5Vdc (Typ/Nom) , 16Vdc (Max)  
Rated power/current: 8 A

### TECHNICAL CHARACTERISTICS

Type of radio interface: Inductive applications  
Intended purpose: Automotive dashboard for motorcycle  
Class of equipment: Class 1, sub-class 41 and 42 (“Inductive applications”)  
Frequency range: 123kHz and 134.2kHz (assigned band 119kHz – 135kHz)  
Transmit power: -5.7 dBμA/m @ 10 m  
Modulation type: FSK  
Antenna type: Dedicated (loop antenna – Ducati p/n 65240161A, made by Zadi Group)  
Firmware: 01.00

### MANUFACTURER

Name: M.A.E. Elettronica S.r.l.  
Address: Via Presolana 29/31/33/35  
24030 - Medolago (BG), Italy

### ADDITIONAL INFORMATION

None.

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## ANNEX 2 - SCHEDULE OF APPROVAL

### SCOPE OF EXAMINATION

- |  |          |
|--|----------|
| <input checked="" type="checkbox"/> Protection of Health and Safety, according to Article 3(1)(a).     | COMPLIES |
| <input checked="" type="checkbox"/> Electromagnetic Compatibility (EMC), according to Article 3(1)(b). | COMPLIES |
| <input checked="" type="checkbox"/> Radio Spectrum Use, according to Article 3(2).                     | COMPLIES |
| <input type="checkbox"/> Special Radio Features, according to Article 3(3)(a)-(i).                     | N/A      |

### APPLICATIONS/LIMITATIONS

Nil.

### MARKING OF PRODUCT

The Manufacturer and Type Designation shall be applied to the product in a visible location.  
The equipment shall carry the CE marking of the European Union.

### TYPE EXAMINATION DOCUMENTATION

#### Test report(s)

- EMC test report by Nemko S.p.A. (id: 357663TRFEMC, dated: 2018-09-07)
- Radio test report by Nemko S.p.A. (id: 357663TRFWL, dated: 2018-09-07)
- Safety test report by Emilab S.r.l. (id: 17-02886, dated: 2017-07-20)
- Health test report by Emilab S.r.l. (id: 17-02877, dated: 2017-07-19)

#### Additional documentation

- RED technical file by M.A.E. Elettronica S.r.l. (id: TECHNICAL FILE DUCATI DASHBOARD 1508LCD, Rev.0, dated: 2018-09-12)

### ADDITIONAL INFORMATION

None.

<< End of certificate >>

Certificate Revision: 0

**Nemko S.p.A.**

Authorized signatory: Marco De Angelis

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#### Nemko Italy

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