



# EC type-approval certificate

Number **T6969** revision 0  
Project number 600947  
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Issued by NMI Certin B.V.  
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3314 EG Dordrecht  
The Netherlands

Notified Body Number 0122

In accordance with The Council Directive 90/384/EEC on non-automatic weighing instruments.

Applicant A&D Instruments Ltd.  
24 Blacklands Way  
Abingdon Business Park  
Abingdon, Oxfordshire  
OX14 1DY United Kingdom

In respect of A class **II** or **III**, electronic **non-automatic weighing instrument**.  
Manufacturer : A&D Instruments Ltd.  
Type : EK-610i-EC & EK-6100i-EC

Characteristics	<b>II</b>	<b>III</b>
Accuracy class		
Max	600 g ≤ Max ≤ 6000 g	400 g ≤ Max ≤ 6000 g
e ≥	0.1 g	0.1 g
d =	0.1 e	e
n ≤	6000	6000

Temperature range +5 °C / +35 °C  
In the description number T6969 revision 0 further characteristics are described.

Valid until 15 June 2016

Description and documentation The instrument is described in the description number T6969 revision 0 and documented in the documentation folder T6969-1, appertaining to this EC type-approval certificate.

Dordrecht, 15 June 2006  
NMI Certin B.V.

  
Ing. C. Oosterman  
Manager Product Certification

## 1 General information about the non-automatic weighing instrument

All properties of the non-automatic weighing instrument, whether mentioned or not, may not be in conflict with the legislation.

### 1.1 Essential parts

See the drawings:

- "Exploded View, EK-610i / EK-610i-K / EK-410i-K", drawing number 6969-E1.
- "Exploded View, EK-6100i / EK-6100i-K / EK-4100i-K", drawing number 6969-E2.

The electronics;

The mechanical assembly with load cell.

### 1.2 Essential characteristics

Power supply:

- By external AC adapter power supply: 230 V AC, 50 Hz – 7 ~ 10 V DC; or
- By an internal rechargeable NI-MH battery pack (option): 4.8 V DC.

### 1.3 Essential shapes

The non-automatic weighing instrument is built according to the drawings:

- "Exploded View, EK-610i / EK-610i-K / EK-410i-K", drawing number 6969-E1.
- "Exploded View, EK-6100i / EK-6100i-K / EK-4100i-K", drawing number 6969-E2.

The data plate is secured against removal by sealing or will be destroyed when removed.

To secure components that may not be dismantled or adjusted by the user, the non-automatic weighing instrument has to be secured in a suitable manner on the locations indicated in the drawing:

- "Sealing Diagram", drawing number 6969-S1.

The securing component has to bear either:

- A mark of the manufacturer laid down in a notified body approved quality system (Annex II of the directive 90/384/EEC), or
- An official mark of a Member State of the EEC, or another party to the EEA agreement.

Inside the cabinet is a calibration switch for calibration or gravity compensation, protected by a sealed cover.

### 1.4 Conditional parts

The non-automatic weighing instrument may be equipped with peripheral equipment which is used for the applications listed in article 1(2)(a) of the EC Directive (90/384/EEC), if the peripheral equipment is certified to be connected to an EC type-approved non-automatic weighing instrument by a Notified Body appointed to certify non-automatic weighing instruments according to paragraph I of Annex II of the EC directive on Non-Automatic Weighing Instruments.

The non-automatic weighing instrument is fitted with a leveling device and a spirit level. The level indicator has a sensitivity of at least 2 mm for a tilt of 2/1000.

