

Member State of OIML
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R76/1992-GB1-07.07
Revision 3

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

Person responsible: **Paul Dixon – Director, Product Certification**

Applicant: **ArjoHuntleigh AB
Hans Michelsensgatan 10
211 20 Malmö
Sweden**

Manufacturer: **The applicant**

Identification of the certified pattern: **Huntleigh Healthcare Enterprise 9000, Enterprise 9100, 9000X and the Citadel hospital beds with weighing facility**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology (OIML):

OIML R 76 - Edition 1992(E) for accuracy class: [III]

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

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

This revision replaces previous versions of the certificate.

Issue Date: 12 February 2015
Reference No: T1128/0173



**Signatory: G Stones
for Chief Executive**

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NMO is an Executive Agency of the Department for Business Innovation & Skills



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The conformity was established by tests and examination described in the test report SN: 01012 having 43 pages, SN: 1073 having 32 pages, SN: 1313 having 9 pages and associated pattern evaluation checklist P00089 having 4 pages.

Characteristics of the instrument:

The ArjoHuntleigh Healthcare Enterprise 9000, 9100, 9000X and the Citadel are hospital beds incorporating a Class III, mains operated, self-indicating, Non-Automatic Weighing Instrument having the following characteristics:

ArjoHuntleigh Healthcare Enterprise 9000, 9100 and 9000X

Maximum capacity (Max)	250 kg
Minimum capacity (Min)	10 kg
Scale interval (e =)	0.5 kg
Number of divisions (n)	500

ArjoHuntleigh Healthcare Citadel

Maximum capacity (Max)	270 kg
Minimum capacity (Min)	10 kg
Scale interval (e =)	0.5 kg
Number of divisions (n)	540

Main features:

The CDI-1600 indicator has the following features:

- Hospital bed, with contour control and weighing functions.
- Four load cells.
- Safety sides incorporating attendant controls, including weighing control buttons. Identical weight displays and associated control buttons are on both sides of the bed.

Devices:

- Semi-automatic zero setting device.
- Verification scale interval 0.5 kg, but with extended indicating device temporarily giving interval of 0.1 kg.
- “BED EXIT” alarm function if weight decreases to 50% or less.
- “AUTO-COMP” function that allows the weight to be held steady while equipment is added (see Section 2.2.2).

Technical characteristics:

Power supply

The instrument operates on a 230 V AC supply with an optional battery back-up.

Load cells

The four load cells are each a Vishay Tedeá Huntleigh shear beam load cell model 3410 with a capacity of 1000 lb, or each a Zemic (Zhonghang Electronic Measuring Instruments Co Ltd) shear beam load cell model H8C with a capacity of 500 kg.

Software

The software is installed as compiled code, as an executable file, and as such cannot be modified using common software tools. Any modification to the software can only be carried out by an approved technician.

The verification information can be found on the side of the weighing module (QLCI) on a label bearing the following information, software number and version number. A tamper proof label is also used to seal the QLCI lid to prevent un-authorised calibration or re-programming of the weighing module.

The legally relevant part of the software is shown as follows:

Name	0077730
Application version number	1.81
Application function	The QLCI (Quadrature load cell interface) is a four channel weighing module capable of sampling, digitizing and processing up to 4 load cells individually.

The non-legally relevant part of the software is shown as follows:

Name	070152
Application version number	X.XX
Application function	The control unit software controls all functions of the electronic control system for the 9000 and Citadel ranges incorporating single button push controls and nurse call

In the above software release numbers, "X.XX" represents changes to the non-legally-relevant software (currently 1.00) which may be modified by the manufacturer and do not affect the metrology parts of the software.

Sealings:

The data plate is secured, either by sealing or by being of a form such that it is destroyed when removed.

Certificate History

Issue №	Date	Description
R76/2006-GB1-14.02	15 January 2014	Certificate first issued.
R76/2006-GB1-14.02 Revision 1	29 October 2008	Zemic load cells model H8C (500 kg) added.
R76/2006-GB1-14.02 Revision 2	04 February 2014	Model 9000X included on front page together with a new company address.
R76/2006-GB1-14.02 Revision 3	12 February 2015	Model Citadel added to certificate.