EVALUATION CERTIFICATE

No. DK0199-R76-15.12

Object name **PT7XXX**

Object type **A digital weighing indicator**

Issued by **DELTA Danish Electronics, Light & Acoustics**

Issued in accordance with the requirements in WELMEC Guide 8.8:2011" Guide on General and Administrative Aspects of the Voluntary System of Modular Evaluation of Measuring instruments".

In accordance with OIML R76:2006
OIML R51:2006,
OIML D11:2004 section 12 and 13 applying severity level 3
WELMEC Guide 7.2:2011
WELMEC Guide 8.8:2008.

Issued to **Scanvaegt Systems A/S**
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Manufacturer **Scanvaegt Systems A/S**

Characteristics A digital weighing indicator.

Description and documentation The digital weighing indicator is described and documented in the annex to this certificate.

Remarks Summary of tests involved: see annex.
This evaluation certificate cannot be quoted in an EC type examination certificate without permission of the holder of the certificate mentioned above.

The annex comprises 4 pages.
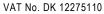
Issued on **2015-10-19** Signatory: J. Hovgård

DANAK
PROD Reg. nr 7026

Descriptive annex

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1. Name and type of instrument

The digital weighing indicator is designated PT7XXX and is a module for non-automatic weighing instruments as well as for automatic catchweighers / checkweighers.

PT7XXX is intended for connection to a SV0X weighing transmitter.

2. Description of the construction and function

2.1 Construction

The PT7XXX digital indicator has a 15" TFT-LCD screen with 1024×768 pixel resolution and touch interface.

It is housed in a stainless steel enclosure constructed for IP69K.

The PT7XXX digital indicator is specified in Section 3.1.

2.2 Functions

The PT7XXX supports the following weighing functions,

· Power up test

· Semi-automatic zero setting

· Semi-automatic tare setting

· Stable indication

· Zero indication

· Net indication

· Operator information messages

· Extended indicating device (service mode only)

Software version

The PT7XXX software version can be displayed upon request.
The format of the software is X.YY.ZZ, where X is the revision of the legally relevant functionality of the software and YY is the sub-revision for major software changes, ZZ is the sub revision for minor software changes not related to the metrological parts of the software.

The approved version for PT7XXX is   1.XX.YY.

3. Technical data

3.1 Weight digital indicator

The PT7XXX has the following characteristics:

Type:	PT7XXX…
Fractional factor (pi):	0.0
Electromagnetic class:	E2
Humidity:	Non-condensing
Supply voltage:	12 - 24 VDC (not to be supplied from DC Mains)
Operating temperature range:	-10 °C / +40 °C
Peripheral interface(s):	See Section 4

4. Interfaces and peripheral equipment

4.1 Interfaces

The PT7XXX is equipped with the following protective interfaces,

- Serial interface RS232 / RS422 / RS485
- Ethernet
- CAN bus
- 2 USB
- SD memory card slot

The interfaces are characterised "Protective interfaces" according to paragraph 8.4 in the Directive and do not have to be secured.

5. Approval conditions

5.1 Compatibility of modules

The fractional factor (pi) is 0.0 for PT7XXX, so PT7XXX shall not be included in the compatibility of modules calculations for the complete weighing instrument.

6. Special conditions for verification

None

7. Securing and sealing of PT7XXX digital indicator

7.1 Securing and sealing

The PT7XXX need not to be sealed.

8. Tests performed

Tests carried out by DELTA for this evaluation certificate on Scanvaegt System's PT7XXX digital weighing indicator.

Test
Temperature test (20, 40, -10, 5 and 20 °C)
Damp heat, steady state
EMC immunity for:
Voltage dips and interruption
Electrical bursts (OIML D11:2004, severity level 3)
Surge (OIML D11:2004, severity level 3)
Electrostatic discharge
Radiated electromagnetic fields
Conducted electromagnetic fields

The test item fulfilled the maximum permissible errors at all tests.

Voltage dips and interruption and surge were tested on the AC side of the external AC/DC adapter. PT7XXX is not to be supplied from DC Mains.

9. Documentation

Test reports
DANAK-1915285 dated 27 May 2015, 68 pages.
DANAK-1915372 dated 15 June 2015, 90 pages.

Technical file
Contents of the technical documentation held by the notified body in technical file T210297.