

PT 1000 Terminal CE Compliance Evaluation

Version 1.1

Revision history			
1.0	2017-03-16	CL	Document created and reviewed internally at CODAB AB
1.1	2017-06-16	CL	Changed name from FT 1000 to PT 1000 due to conflict with other product in UK

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1. Introduction

This document outlines the evaluation of the PT 1000 terminal in relation to CE marking. The document presents the compliance to the respective standard that are required to fulfill requirements for CE.

The PT 1000 is a fleet terminal that can be used for business-to-business sales of fuel.

The terminal has a housing and can be mounted on a pedestal.

2. Standardizations

The PT 1000 terminal is intended for installation on service stations and connect and control dispensers. The PT 1000 can report data, incl. transaction details to a central head office system called TapNet.

To CE mark a product like the PT 1000 terminal, the product needs to live up to the following standards

- Low Voltage Directive (LVD) 2006/95/EG
- Directive of Electromagnetic Compatibility (EMC) 2004/108/EG
 - EN61000-6-3: 2007 (Emission)
 - EN61000-6-1: 2007 (Immunity)

The following chapters describes how PT 1000 lives up to these requirements.

3. Compliance to Low Voltage Directive (LVD) 2006/95/EG

The following technical documentation is supplied to make sure PT 1000 lives up to the Low Voltage Directive

- **A general description of the electrical equipment**
See “PT 1000, Installationsmanual” and “PT 1000, HW Description”.
- **Conceptual design and manufacturing drawings and schemes of components, subassemblies, circuits etc.**
See “PT 1000, HW Description”.
- **Description and explanation necessary for the understanding of said drawings and schemes and the operation of the electrical equipment**
See “PT 1000, Installationsmanual”. No specific explanations required to understand the drawings and schemes except for those provided within the referenced documentation.
- **A list of the standards applied in full or in part, and description of the solutions adopted to satisfy the safety aspect of this Directive where standards have not been applied**
No specific standards has been applied however safety solutions and instructions are made in the installation manual “PT 1000, Installationsmanual” and “FT 1000, HW Description”.
- **Results of design calculations made, examinations carried out etc.**
Not relevant as standard products used and solution is generic for this type of product
- **Test reports**
Not relevant as standard products used and solution is generic for this type of product

4. Compliance to Directive of Electromagnetic Compatibility (EMC) 2004/108/EG

As specified in "PT 1000, HW Description" all electronics used within the PT 1000 payment terminal is CE marked and are therefore compliant to the Directive of Electromagnetic Compatibility.

Only three type of pump interface cards ATCL, Wayne Current Loop and Mechanical Pump are not CE marked, but these are passive circuit boards and through design review it is evaluated that using these within the PT 1000 payment terminal will still make the product live up to the Directive of Electromagnetic Compatibility (EMC).

5. Conclusion

Since PT 1000 live up to both Low Voltage Directive (chapter 3) and the Directive of Electromagnetic Compatibility the product fulfills the requirement for CE.

The next two pages includes the EC declaration of Conformity for PT 1000 payment terminal, first in English and secondly in Swedish.

6. EC Declaration of Conformity

EC DECLARATION OF CONFORMITY

We hereby confirm that our product complies with the requirements in the following EU-directives and harmonized standards

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Product: PT 1000 Terminal

Low Voltage Directive (LVD) 2006/95/EG

Directive of Electromagnetic Compatibility (EMC) 2004/108/EG

- EN61000-6-3: 2007 (Emission)
- EN61000-6-1: 2007 (Immunity)

A handwritten signature in blue ink, appearing to read 'Christian Lester', is written over a horizontal dashed line.

Malmö 2017-06-17

Christian Lester
CEO

7. EG-försäkran om Överensstämmelse

EG-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE

Vi intygar härmed att våra produkter uppfyller kraven i nedan angivna EU-direktiv och harmoniserande standarder

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Product: PT 1000 Terminal

Lågspänningsdirektivet (LVD) 2006/95/EG

Direktivet för elektromagnetisk kompatibilitet (EMC) 2004/108/EG

- EN61000-6-3: 2007 (Emission)
- EN61000-6-1: 2007 (Immunity)

A handwritten signature in blue ink, appearing to be 'Christian Lester', written over a dashed horizontal line.

Malmö 2017-06-17

Christian Lester
VD