



CANCELLED

NATIONAL STANDARDS COMMISSION

PS186
10/12/85

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

PROVISIONAL SUPPLEMENTARY CERTIFICATE OF APPROVAL No PS186

This is to certify that an approval for use for trade has been granted in respect of the pattern and variants of the

AutoTank Model T97 Driveway Flowmeter Control System

submitted by L M Ericsson Pty Ltd
61 Riggall Street
Broadmeadows Vic 3017.

CONDITIONS OF APPROVAL

General:

This approval is subject to review on or after 1/11/86.

Instruments purporting to comply with this approval shall be marked NSC No PS186.

This approval may be withdrawn if instruments are constructed and used other than as described in the drawings and specifications lodged with the Commission.

Special:

Any additional auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0.

The instrument is only approved for installations incorporating the Commission-approved driveway flowmeter systems described in this approval.

The system shall incorporate a mechanism to prevent the AutoTank terminal from initiating a transaction if the quantity in the supply tank is insufficient to complete the delivery.

Signed

Acting Executive Director

Descriptive Advice

Pattern: provisionally approved 12/11/84

. AutoTank model T97 money-operated driveway flowmeter control system.

...../2

Variants: provisionally approved 12/11/84

1. With Commission-approved driveway flowmeters incorporating Calcopac indicators.
2. With Commission-approved driveway flowmeters incorporating Veeder-Root mechanical indicators.

Technical Schedule No S186 describes the pattern and variants.

Filing Advice

The documentation for this approval comprises:

Provisional Supplementary Certificate of Approval No PS186 dated 10/12/85
Technical Schedule No S186 dated 10/12/85
Test Procedure No S186 dated 10/12/85
Figure 1 dated 10/12/85



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S186

Pattern: AutoTank Model T97 Money-operated Driveway Flowmeter Control System

Submitter: L M Ericsson Pty Ltd
61 Riggall Street
Broadmeadows Vic 3017

1. Description of Pattern

The pattern is an AutoTank model T97 money-operated control system interfaced to Commission-approved Gilbarco driveway flowmeters incorporating indicators with electronic unit price change facility.

The system comprises:

- (a) An AutoTank T97 money-operated terminal
- (b) Compatible Commission-approved driveway flowmeters
- (c) An AutoTank control unit (optional)
- (d) A pump control unit (optional) - refer variant 2
- (e) A system control panel (optional)
- (f) A junction box (optional)

1.1 AutoTank Money-operated Terminal

This may control up to 4 driveway flowmeters and has the following features:

- (a) An alphanumeric display; used to generate prompts to guide the user through data entry functions.
- (b) Four PUMP-SELECT buttons.
- (c) A banknote insertion aperture.
- (d) RECEIPT and NO RECEIPT buttons.
- (e) A receipt dispensing aperture and internal journal printer.

An internal managers keyboard is also fitted. Access to the managerial and service functions are available only to authorised personnel and are described in the manuals.

1.2 Operating Procedure

- (a) Display shows SELECT PUMP.
- (b) Press desired PUMP-SELECT button for available driveway flowmeter.
- (c) The display will prompt INSERT MONEY and the selected PUMP-SELECT button will illuminate.
- (d) Insert banknote(s). The display will show a running total of money inserted.
- (e) Select either RECEIPT or NO RECEIPT button. If requested, a receipt is then issued showing the date, time, transaction number and amount of money inserted.

- (f) The system authorises a delivery for the amount tendered.
- (g) When the nozzle is hung up, an internal record is printed with transaction details for verification against the receipt which includes the amount of change due to the purchaser if the delivery was incomplete.

1.3 Markings

The money-operated terminal is marked with the following data, in the one location:

Manufacturer's name or mark	
Serial number	
Model number	
NSC approval number	PS186
Year of manufacturer	

In addition, a notice must be clearly visible stating:

WARNING:	<u>Part Delivery</u>
	No refund from this instrument
	Contact proprietor

The allocated driveway flowmeters controlled by the AutoTank money-operated terminal shall be clearly identified.

1.4 Verification Provision

Provision is made for a verification mark to be applied on the money-operated terminal.

2. Description of Variants

2.1 Variant 1

AutoTank T97 system interfaced to Commission-approved driveway flowmeters incorporating Calcopac indicators having manual unit price setting by means of thumb-wheels on the face of the indicator, in which case the system shall only read the unit price set at the driveway flowmeter and the instruction command in the AutoTank allowing remote unit price change shall be disabled.

2.2 Variant 2

AutoTank T97 system incorporating AutoTank pump control unit interfaced to Commission-approved driveway flowmeters incorporating Veeder-Root mechanical indicators and a solenoid-operated slow-flow valve fitted after the meter. The unit price set at the Veeder-Root indicator is entered into the T97 system and is displayed for not less than 5 seconds following selection of the flowmeter to be used. There shall be a prominent notice as follows:

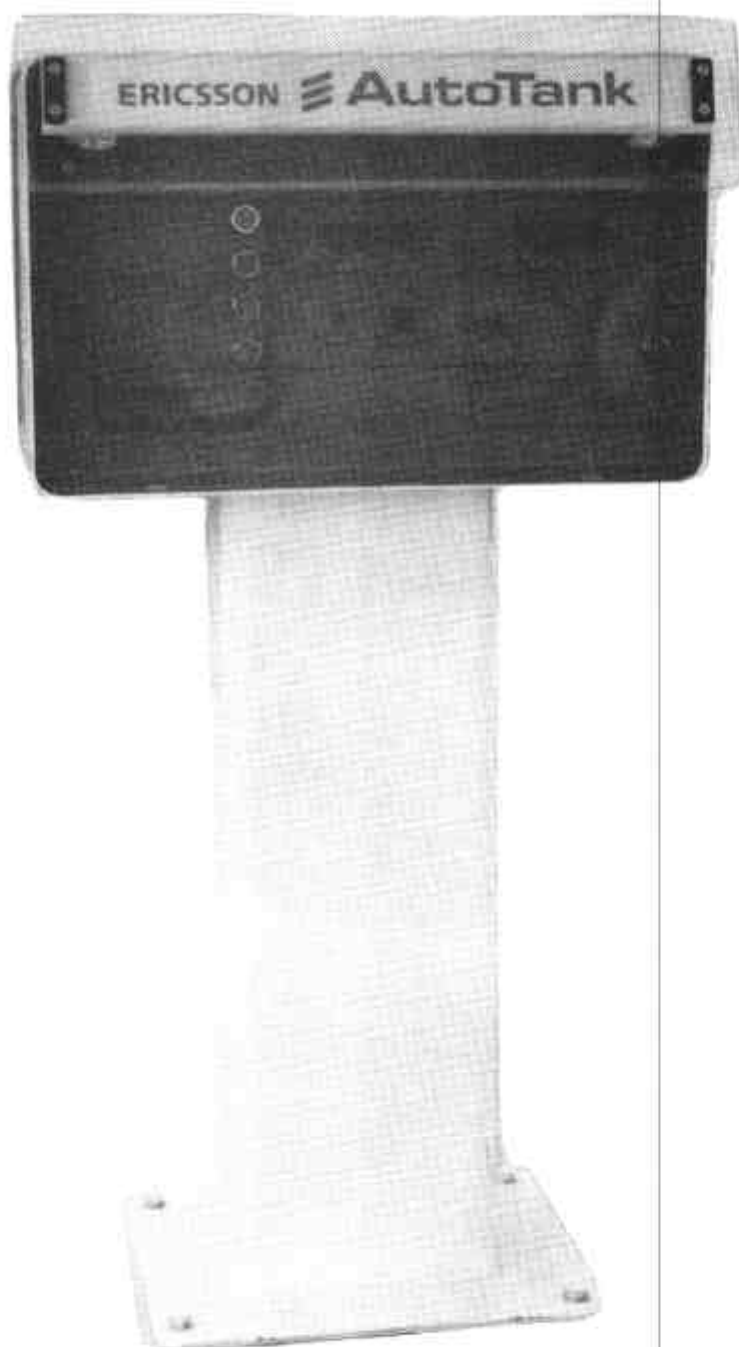
NOTE: WHEN A PUMP IS SELECTED THE AUTOTANK WILL DISPLAY THE PRICE OF FUEL PER LITRE AT WHICH IT WILL DELIVER REGARDLESS OF THE PRICE PER LITRE SHOWN ELSEWHERE.

TEST PROCEDURE No S186

The following should be conducted in conjunction with any tests specified in the approval documentation for the driveway flowmeter system to which this instrument is connected. The results shall not exceed the maximum permissible errors as specified in Document 118.

1. Check that the allocated driveway flowmeters are identified and are only controlled by the AutoTank money-operated terminal.
2. Complete at least two deliveries using the money-operated terminal. Check that for a part delivery, the purchaser's receipt can be identified with the vendor's record of transaction (which shows the amount tendered, volume delivered and refund due) and with the display on the driveway flowmeter.

FIGURE S1B6 - 1



AutoTank T97 Terminal