Australian Government

National Measurement Institute

12 Lyonpark Road, North Ryde NSW 2113

Cancellation

Supplementary Certificate of Approval No S244A

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

This is to certify that the approval for use for trade granted in Supplementary Certificate of Approval No S244A issued in respect of the

Postec Model FCC3 Driveway Flowmeter Control System

submitted by Postec Data Systems
Unit F, 8 Piermark Drive
North Harbour Industrial Estate
North Harbour Auckland NEW ZEALAND

has been cancelled in respect of new instruments as from 1 January 2005.

Signed by a person authorised by the Chief Metrologist to exercise his powers under Regulation 60 of the National Measurement Regulations 1999.

National Standards Commission

Supplementary Certificate of Approval

No S244A

Issued under Regulation 9
of the
National Measurement (Patterns of Measuring Instruments) Regulations

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

Postec Model FCC3 Driveway Flowmeter Control System

submitted by Postec Data Systems
Unit F, 8 Piermark Drive
North Harbour Industrial Estate
Albany Auckland NEW ZEALAND.

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

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CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 July 1999, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S244A and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S244A in addition to the approval number of the instrument.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document 106.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

Special:

Instruments are only approved for installations incorporating the Commission-approved driveway flowmeters described in this approval, and may only be used for central unit price setting of driveway flowmeters which have been Commission-approved with that facility.

Special: for Provisional variant 12

This approval expired in respect of new instruments on 1 July 1996.

Instruments purporting to comply with this approval shall be marked NSC No PS244A and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No PS244A in addition to the approval number of the instrument.

DESCRIPTIVE ADVICE

Pattern: approved 14 June 1994

- A Postec model FCC3 driveway flowmeter control system for use with Production Engineering model Retron 80 or Empec 80 indicators. May also be known as a model PCC3 control system.

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Variants: approved 14 June 1994

1. For use with certain Commission-approved driveway flowmeter indicators.
2. With an IBM model 4683 cash register and an IBM PS/2 series personal computer using Breeze point of sale software.
3. With one or more IBM model 4684 point of sale units using Breeze point of sale software.
4. With one or more IBM PS/1 and/or PS/2 series personal computers and/or 4684 point of sale units using PetroPos point of sale software.
5. With one or more IBM-compatible computer-based terminals using Breeze point of sale software.
6. With one or more IBM PS/2 series and/or PS/VP series personal computers and/or 4693 or 4694 point of sale units using Breeze point of sale software.
7. For use with up to two Solution Technology model ST1 driveway flowmeter control systems.
8. With one or more Postec model FORMAN (version 1 or 2) control consoles.
9. With a Set Technologies model MPRS IPC control console.
10. With one or more Casio model SA-1000 control consoles including point of sale facilities.
11. For use with certain Email and/or Production Engineering driveway flowmeter indicators and a Production Engineering model Autoserve control system.

Variant: provisionally approved 14 June 1994

12. For use with Compac model C3000H driveway flowmeter indicators and a Production Engineering model Autoserve control system.

Technical Schedule No S244A describes the pattern and variants 1 to 12.

Variants: approved 6 October 1994

13. With an Export Mission model EMIS control system using EMIS FuelPOS point of sale software.
14. With one or more IBM PS/2 series and/or PS/VP series personal computers and/or 4693 or 4694 point of sale units using On-Q point of sale software.

Technical Schedule No S244A Variation No 1 describes variants 13 and 14.

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Variants: approved 11 August 1995

15. With one or more IBM-compatible computer-based terminals using Datasphere DEALER Entre point of sale software.

16. With a Postec model FORMAN (version 3) control console.

Variant: approved 18 August 1995

17. With a Postec model DET4 card-operated terminal.

Variant: approved 18 October 1995

18. With an uninterruptable power supply.

Technical Schedule No S244A Variation No 2 describes variants 15 to 18.

Variant: approved 28 October 1995

19. With Postec model FCC4 (or PCC4) controller.

Technical Schedule No S244A Variation No 3 describes variant 19.

Variants: approved 29 November 1996

20. For use with Email model IDIS driveway flowmeter indicators.

21. With one or more Smart Retail Terminals model PCU 1880 Modular EPOS computer-based terminals using PC-POS point of sale software.

22. With one or more Megabus model 486/100 DX or Pentium computer-based terminals using ServStat point of sale software.

Technical Schedule No S244A Variation No 4 describes variants 20 to 22.

Variant: approved 28 February 1997

23. With one or more Retail Systems Australia model RSA PC-POS computer-based terminals using PhoenixBios point of sale software.

Technical Schedule No S244A Variation No 5 describes variant 23.

Variant: approved 1 December 1997

24. With one or more of certain models of the TEC POS ST series of computer-based terminals using PC-POS point of sale software.

Technical Schedule No S244A Variation No 6 describes variant 24.

Variant: approved 23 April 1998

25. With one or more computer-based terminals using KT point of sale software.

Technical Schedule No S244A Variation No 7 describes variant 25.

Variants: approved 9 March 1999

26. With one or more computer-based terminals using On-Q point of sale software and the Gilbarco model MACRIP control system.

27. With one or more On-Q model Fuel ATM card-operated terminals.

Technical Schedule No S244A Variation No 8 describes variants 26 and 27.

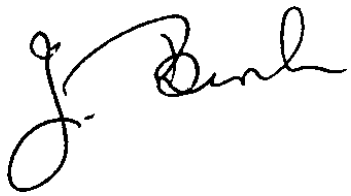
FILING ADVICE

Supplementary Certificate of Approval No S244A dated 14 October 1998 is superseded by this Certificate and may be destroyed.

The documentation for this approval now comprises:

Supplementary Certificate of Approval No S244A dated 28 June 1999
Technical Schedule No S244A dated 30 September 1994 (incl. Test Procedure)
Technical Schedule No S244A Variation No 1 dated 13 April 1995
Technical Schedule No S244A Variation No 2 dated 10 November 1995
Technical Schedule No S244A Variation No 3 dated 11 March 1996
Technical Schedule No S244A Variation No 4 dated 13 March 1997
Technical Schedule No S244A Variation No 5 dated 26 June 1997 (incl. Notification of Change)
Technical Schedule No S244A Variation No 6 dated 7 July 1998
Technical Schedule No S244A Variation No 7 dated 14 October 1998 (incl. Notification of Change)
Technical Schedule No S244A Variation No 8 dated 28 June 1999
Notification of Change No 1 dated 31 May 1995
Notification of Change No 2 dated 31 May 1996
Notification of Change No 3 dated 26 August 1996
Notification of Change No 4 dated 13 November 1996
Notification of Change No 5 dated 21 February 1997
Notification of Change No 6 dated 26 September 1997
Figures 1 to 12 dated 30 September 1994
Figure 13 dated 13 April 1995
Figures 14 and 15 dated 10 November 1995
Figures 16 and 17 dated 13 March 1997
Figure 18 dated 26 June 1997
Figures 19 and 20 dated 7 July 1998
Figures 21 to 23 dated 28 June 1999

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.



National Standards Commission

TECHNICAL SCHEDULE No S244A

Pattern: Postec Model FCC3 Driveway Flowmeter Control System.

Submittor: Postec Data Systems
Main Road
Albany Auckland New Zealand.

1. Description of Pattern

The pattern is a Postec model FCC3 control system for use in a Commission-approved flowmetering system using any driveway flowmeter fitted with a Production Engineering model Retron 80 or Empec 80 indicator.

1.1 The System

The FCC3 system (Figure 1) may be used with up to 32 driveway flowmeters and comprises:

- A Postec model FCC3 controller (Figure 2);
- A Sanyo model 720 operator's console (Figure 3);
- One or more FCC visual display units (VDU's) (Figure 3);
- A printer for the vendor's record and purchaser's receipt; and
- A purchaser's indicator.

The system facilities include:

- a point of sale facility including cash drawer;
- a facility for centrally setting the unit price of up to 15 grades of fuel which may also control forecourt unit price sign indicators;
- a prepay or postpay facility;
- a pump stop and all pumps emergency stop function; and
- a dual-memory facility.

1.2 Controller

The model FCC3 controller controls the various functions of the driveway flowmeters. It may be located remotely from the console. The controller may be as shown in Figure 2 or in alternative housings.

1.3 Console

The operator's console communicates with the controller through the integral keyboard which includes flowmeter authorisation facilities.

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1.3.1 Point of Sale Facility

The console incorporates point of sale (POS) terminal facilities and these shall not interact with the controller or the console in any way which would cause an incorrect indication of the measured volume or price.

1.3.2 Dual-memory Facility

This facility allows two purchasers to operate simultaneously, i.e. a second transaction may be carried out while a previous transaction which has not yet been completed is retained in memory.

Only one transaction for each driveway flowmeter may be stored in memory at any time.

1.3.3 Display Check

On power up, the controller automatically performs a system check, then displays a message on the VDU and causes the purchaser's indicator (if segment-type) and the forecourt unit price indicator (if connected to the central unit price setting facility) to go through a display check routine.

1.4 Sealing Provision

No sealing is required.

1.5 Verification/Certification Provision

Provision is made on the FCC3 controller for a verification/certification mark to be applied.

The FCC3 system shall be re-verified/certified if the FCC3 controller is replaced; however, other components of the system may be replaced without the system needing to be re-verified/certified.

Components which may be replaced are stand alone items and are connected to the controller by a single data plug. The components are:

Console/visual display unit (*)
Purchaser display (*)
Receipt printer (*)
Power supply/conditioning unit
Cash drawer

(*) The replacement units for these components shall be of the same type and shall be supplied by the submittor.

1.6 Markings

The FCC3 controller is marked with the following data, together in one location:

Manufacturer's name or mark	.....
Model number	.....
Serial number	.....
NSC approval number	S244A
Operating (air) temperature range	..... (#)

(#) The model FCC3 controller is approved for use under outdoor, open-air conditions over a temperature range of -10°C to +45°C. Unless otherwise stated, other components of the pattern and the variants are approved for use under indoor, non-air-conditioned conditions over a temperature range of 0°C to +40°C.

2. Description of Variants

2.1 Variant 1

For use with Commission-approved driveway flowmeters which incorporate any of the following indicators:

Email Eclipse MVR79 series.
Email MPP (multi-product) series.
Compac Industries model C3000H.
Production Engineering 7000, 8000 or 9000 multi-product series.
Gilbarco model DTO3616 multi-product.
Gilbarco Electroline type.
Gilbarco Highline (Calcopac) type. (Note: Flowmeters fitted with Calcopac indicators shall not be used for central unit price setting.)

2.2 Variant 2

With an IBM model 4683 electronic cash register and IBM PS/2 series personal computer of certain models (*) using the 'Breeze' point of sale software (Figure 4).

(*) PS/2 series models for use with this variant include 30, 30 286, 35, 45, 50, 55, 57, 60, 65, 70, 80, 90 and 95; the Commission should be contacted concerning other compatible models."

2.3 Variant 3

With one or more IBM model 4684 point of sale units using the 'Breeze' point of sale software, and IBM VDU's and keyboards (Figure 5) and with up to 60 driveway flowmeters which are Commission-approved for use with the FCC3 system.

2.4 Variant 4

With one or more IBM model PS/1 2011 and/or PS/1 2121 personal computers, and/or PS/2 series personal computers (Figure 6) of certain models (*), and/or model 4684 point of sale units (Figure 5), using the General Software Systems 'PetroPos' point of sale software, and with up to 60 driveway flowmeters which are Commission-approved for use with the model FCC3 system.

The keyboards used may be in a variety of configurations and different to that shown in Figure 6.

2.5 Variant 5

With one or more IBM model PS/1 personal computers and/or IBM PS/2 series personal computers (Figure 7) of certain models (*), and/or model 4684 point of sale units (Figure 5), using the 'Breeze' point of sale software, and with up to 60 driveway flowmeters which are Commission-approved for use with the model FCC3 system.

The keyboards used may be in a variety of configurations and different to that shown in Figure 7.

2.6 Variant 6

With one or more IBM PS/2 series personal computers (Figure 7) of certain models (*), and/or PS/VP series personal computers (Figure 8) of certain models (#), and/or model 4693 or 4694 point of sale units (Figure 9), using the 'Breeze' point of sale software, and with up to 60 driveway flowmeters which are Commission-approved for use with the model FCC3 system.

Instruments shall not be used for prepay transactions.

The keyboards used may be in a variety of configurations and different to that shown in Figures 7, 8 and 9.

2.7 Variant 7

For use with up to 2 Solution Technology model ST1 driveway flowmeter control systems used in accordance with NSC approval No S236A.

(*) PS/2 series models for use with these variants include 30, 30 286, 35, 45, 50, 55, 57, 60, 65, 70, 80, 90 and 95; the Commission should be contacted concerning other compatible models.

(#) PS/VP series models for use with this variant include 6381 and 6384; the Commission should be contacted concerning other compatible models.

2.8 Variant 8

With one or more Postec model FORMAN control consoles and one or more visual display units (Figure 10) and connected with up to 64 driveway flowmeters which are Commission-approved for use with the model FCC3 system. The model FORMAN console is approved for use under outdoor, open-air conditions over a temperature range of -10°C to +45°C. A typical system is shown in Figure 1, including an FCC VDU and connection to auxiliary devices such as personal computers and electronic cash registers.

Two versions of the FORMAN console are available; the model 2 version has all the features of the model 1 and in addition has a memory facility when used with an uninterruptible power supply.

2.9 Variant 9

With a Set Technologies model MPRS IPC control console and displays (Figure 11), using the 'Set Technologies' point of sale software and connected with up to 16 driveway flowmeters which are Commission-approved for use with the model FCC3 system.

2.10 Variant 10

With one or more Casio model SA-1000 control consoles and displays (Figure 12) including an FCC VDU, and connected with up to 64 driveway flowmeters which are Commission-approved for use with the model FCC3 system.

2.11 Variant 11

A model FCC3 control unit now fitted with a model GUPI interface board and approved for use with a combination of Commission-approved driveway flowmeters or driveway flowmeters fitted with any of the indicators listed below and connected to a Production Engineering model Autoserve driveway flowmeter control system as described in the documentation of NSC approval No S197A.

- Email Eclipse MVR79 series indicators, as described in the documentation of NSC approval No S110A; and/or
- Any model of Email multi-product driveway flowmeter as described in the documentation of NSC approval No 5/6A/85 fitted with the indicator described for the pattern of that approval; and/or
- Production Engineering Retron 80 series indicators, as described in the documentation of NSC approval No S101A; and/or
- Any model of Production Engineering multi-product driveway flowmeter as described in the documentation of NSC approval No 5/6A/86 fitted with the model MHP indicator described for the pattern of that approval.

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2.12 Variant 12

A Postec model FCC3 control unit now fitted with a model GUPI interface board and approved for use with a combination of Commission-approved driveway flowmeters fitted with the Compac model C3000H indicators, as described in the documentation of NSC approval No S280, and connected to a Production Engineering model Autoserve driveway flowmeter control system as described in the documentation of NSC approval No S197A.

This variant does not include point of sale facility.

TEST PROCEDURE

Instruments shall be tested in conjunction with any tests specified in the approval documentation for the instrument to which the pattern (or variants) is connected, as appropriate, and in accordance with any relevant tests specified in the Inspector's Handbook.

The maximum permissible errors applicable are those applicable to the system to which the instrument approved herein is fitted, as stated in the approval documentation for the system.

1. **Postpay Mode** (including dual-memory test)

(i) At the console select and authorise a driveway flowmeter and make a delivery. The details of the transaction will be displayed in the SALE column on the visual display unit (VDU).

(ii) Remove the nozzle from its hang-up position, authorise the flowmeter if necessary, and then deliver sufficient fuel to cause the price and quantity indicators to move significantly off zero. Stop the flowmeter by returning the nozzle to its hang-up.

(iii) At the console, check that the details of the first transaction are now displayed in the MEMORY column, and that a SAVED DELIVERY record has been printed by the journal printer of the cash register.

(iv) Complete the transactions. Check that both SALE and MEMORY columns are now clear.

(v) Repeat for a number of flowmeters.

2. Prepay Operation

(i) Conduct a suitable prepay test on one or more driveway flowmeters. Observe that the flowmeter stops at the preset value.

(ii) For a partially completed delivery, observe that the driveway flowmeter cannot be authorised for at least 1 minute after the nozzle has been hung up.

A REFUND notice appears on the display after the nozzle is hung up if a prepay delivery is not fully completed.

3. Price Setting

(i) Conduct a price change for one or more grades of fuel. Observe that the displays on the corresponding driveway flowmeter blank for at least 1 minute after the price change, and that the driveway flowmeter cannot be authorised during this period.

(ii) Attempt to change the price of a grade of fuel whilst a delivery is in progress. This shall not be possible until the delivery has been completed.

National Standards Commission

TECHNICAL SCHEDULE No S244A

VARIATION No 1

Pattern: Postec Model FCC3 Driveway Flowmeter Control System.

Submittor: Postec Data Systems
Main Road
Albany Auckland New Zealand.

1. Description of Variants

1.1 Variant 13

With an Export Mission Information Systems model EMIS control system (Figure 13) using the 'EMIS FuelPOS' point of sale software, and with up to 64 driveway flowmeters which are Commission-approved for use with the FCC3 system.

The EMIS system includes an EMIS FuelPOS model UKB-M264-KOO keyboard, an EMIS FuelPOS IBM-compatible personal computer and visual display unit, and an uninterruptable power supply unit.

1.2 Variant 14

With one or more IBM PS/2 series personal computers (Figure 7) of certain models (*), and/or PS/VP series personal computers (Figure 8) of certain models (#), and/or model 4693 or 4694 point of sale units (Figure 9), using the 'On-Q' point of sale software, and with up to 60 driveway flowmeters which are Commission-approved for use with the model FCC3 system.

Instruments shall not be used for prepay transactions.

(*) PS/2 series models for use with these variants include 30, 30 286, 35, 45, 50, 55, 57, 60, 65, 70, 80, 90 and 95; the Commission should be contacted concerning other compatible models.

(#) PS/VP series models for use with this variant include 6381 and 6384; the Commission should be contacted concerning other compatible models.

National Standards Commission

TECHNICAL SCHEDULE No S244A

VARIATION No 2

Pattern: Postec Model FCC3 Driveway Flowmeter Control System.

Submittor: Postec Data Systems
Main Road
Albany Auckland New Zealand.

1. Description of Variants

1.1 Variant 15

With an IBM-compatible personal computer-based terminal using the Datasphere 'DEALER Entre' version 1.3.b in conjunction with DB/C version 8 point of sale software, and with up to 32 driveway flowmeters which are Commission-approved for use with the model FCC3 system.

Suitable terminals include the SOTEKE 386/486 and the Siemens Nixdorf model Beetle 386/486.

1.2 Variant 16

With a Postec model FORMAN (version 3) control console and visual display unit (Figure 14) and connected with up to 32 driveway flowmeters which are Commission-approved for use with the model FCC3 system.

The version 3 uses either a printer or an uninterruptible power supply for the memory facility. (Note that if a printer is used, the 'Automemory' function is disabled.)

1.3 Variant 17

With a Postec model 4DET data entry terminal (Figure 15) for use with the model FCC3 system. The 4DET communicates with the driveway flowmeters via the model FCC3 controller.

The 4DET terminal may be used in outdoor situations and has the following features:

- An alphanumeric display used to generate prompts to guide the user through data entry functions;
- A keypad with numeric and also designated function keys;
- A swipe-type card reader; and

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- A receipt printer.

Note: In the event of a power failure occurring while a delivery is in progress, a receipt is printed automatically and there may be a discrepancy between the printed values and those displayed on the driveway flowmeter. In this case the following is printed on the receipt:

Power Failure

Receipt is Correct
Record of Transaction

1.4 Variant 18

With an uninterruptable power supply installed on the point of sale terminal and the model FCC controller.

National Standards Commission

TECHNICAL SCHEDULE No S244A

VARIATION No 3

Pattern: Postec Model FCC3 Driveway Flowmeter Control System.

Submittor: Postec Data Systems
Main Road
Albany Auckland New Zealand.

1. Description of Variant 19

With a Postec model FCC4 controller instead of the FCC3 controller described for the pattern.

The FCC4 controller has some internal circuit board changes but performs the same functions as the model FCC3 and is in the same housing.

National Standards Commission

TECHNICAL SCHEDULE No S244A

VARIATION No 4

Pattern: Postec Model FCC3 Driveway Flowmeter Control System.

Submittor: Postec Data Systems
Unit F, 8 Piermark Drive
North Harbour Industrial Estate
Albany Auckland NEW ZEALAND.

1. Description of Variants

1.1 Variant 20

For use in a Commission-approved flowmetering system using any driveway flowmeter fitted with an Email model IDIS driveway flowmeter indicator.

1.2 Variant 21

For use with one or more Smart Retail Terminals model PCU 1880 Modular EPOS computer-based terminals (Figure 16) using PC-POS version 2.1 SA point of sale software.

1.3 Variant 22

For use with one or more Megabus model 486/100 DX or Pentium computer-based terminals *(Figure 17) (#)* using ServStat version 5.10 point of sale software.

(#) Amended by Notification of Change included in Technical Schedule No S244A Variation No 1 dated 26 June 1997.

National Standards Commission

TECHNICAL SCHEDULE No S244A

VARIATION No 5

Pattern: Postec Model FCC3 Driveway Flowmeter Control System.

Submittor: Postec Data Systems
Unit F, 8 Piermark Drive
North Harbour Industrial Estate
Albany Auckland NEW ZEALAND.

1. Description of Variant 23

For use with one or more Retail Systems Australia model RSA PC-POS computer-based terminals (Figure 18) using PhoenixBios version 4.04 point of sale software.

NOTIFICATION OF CHANGE

In Technical Schedule No S244A Variation No 4 dated 13 March 1997, the reference to ‘Figures 17 and 18’ should be amended to read ‘Figure 17’.

Figure 18 dated 13 March 1997 should be deleted and destroyed.

TECHNICAL SCHEDULE No S244A

VARIATION No 6

Pattern: Postec Model FCC3 Driveway Flowmeter Control System.

Submittor: Postec Data Systems
Unit F, 8 Piermark Drive
North Harbour Industrial Estate
Albany Auckland NEW ZEALAND.

1. Description of Variant 24

For use with one or more of certain models of the TEC POS ST series of computer-based terminals as listed below using PC-POS version 2 point of sale software.

The approved models are:

1. Model ST-4501 (Figure 19);
2. Model ST-5501 (Figure 20); and
3. Model ST-5601, which is similar to the model ST-5501 but uses a different internal central processing unit.

All models use the model CRTST video display unit.

TECHNICAL SCHEDULE No S244A

VARIATION No 7

Pattern: Postec Model FCC3 Driveway Flowmeter Control System.

Submittor: Postec Data Systems
Unit F, 8 Piermark Drive
North Harbour Industrial Estate
Albany Auckland NEW ZEALAND.

1. Description of Variant 25

For use with one or more computer-based terminals using KT version KT2POS-A point of sale software with KT version 1.21(AUS) flowmeter interface software.

NOTIFICATION OF CHANGE

In Technical Schedule No S244A dated 30 September 1994, clause **2.5 Variant 5**, previously amended by means of Notification of Change No 4 dated 13 November 1996, should now be amended to read, in part:

> "With one or more IBM-compatible computer-based terminals (Figures 4, 6, 7 and 8) including the IBM 4684 point of sale units (Figure 5), using Breeze version 3.**, 4.** **or 5.**** point of sale software, ..."

TECHNICAL SCHEDULE No S244A

VARIATION No 8

Pattern: Postec Model FCC3 Driveway Flowmeter Control System.

Submittor: Postec Data Systems
Unit F, 8 Piermark Drive
North Harbour Industrial Estate
Albany Auckland NEW ZEALAND.

1. Description of Variants

1.1 Variant 26

For use with one or more computer-based terminals using On-Q version 3 point of sale software, and the Gilbarco model MACRIP control system as described in the documentation of NSC approval No S306.

Figure 21 shows a typical system.

1.2 Variant 27

For use with one or more On-Q model Fuel ATM (FATM) card-operated terminals using On-Q version 3 point of sale software.

The FATM terminal is comprised of a customer interface (Figure 22) and a master controller. Figure 23 shows a typical system.

The FATM terminal may be used in outdoor situations and has the following features:

- an alphanumeric display for user prompts;
- an alphanumeric keypad and 5 designated function keys;
- a card-reader; and
- a receipt printer.

Note: If a power failure occurs while a delivery is in progress, a receipt can be obtained on request. If there is a discrepancy between the printed values and those displayed on the driveway flowmeter, then the following notice is printed on the receipt:

EFT CONFIRMED.
ON POWER FAILURE
RECEIPT IS CORRECT
RECORD OF TRANSACTION

National Standards Commission

NOTIFICATION OF CHANGE

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S244A

CHANGE No 1

The following change is made to the approval documentation for the

Postec Model FCC3 Driveway Flowmeter Control System

submitted by Postec Data Systems Ltd
Main Road
Albany Auckland
NEW ZEALAND

In Technical Schedule No S244A dated 30 September 1994, Clause **1.6 Markings** should be amended by deleting the requirement to mark the 'operating (air) temperature range'. The footnote should also be deleted.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

National Standards Commission

NOTIFICATION OF CHANGE

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S244A

CHANGE No 2

The following changes are made to the approval documentation for the

Postec Model FCC3 Driveway Flowmeter Control System

submitted by Postec Data Systems
Main Road
Albany Auckland
NEW ZEALAND

1. In Supplementary Certificate of Approval No S244A dated 11 March 1996, the description of Variant 15 should be amended to read:

   "With **one or more** IBM-compatible personal computer-based terminals using the Datasphere 'DEALER Entre' point of sale software."

2. In Technical Schedule No S244A Variation No 2 dated 10 November 1995, Clause **1.1 Variant 15** should be amended to read, in part:

   "With **one or more** IBM-compatible personal computer-based terminals using the Datasphere 'DEALER Entre' ... point of sale software, ..."

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

National Standards Commission

AUSTRALIA

NOTIFICATION OF CHANGE

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S244A

CHANGE No 3

The following change is made to the approval documentation for the

Postec Model FCC3 Driveway Flowmeter Control System

submitted by Postec Data Systems
Main Road
Albany Auckland
NEW ZEALAND

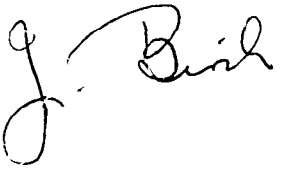
In Technical Schedule No S244A Variation No 2 dated 10 November 1995, Clause **1.4 Variant 18** should be amended to now read:

"With an uninterruptable power supply installed on the point of sale terminal and the model **FCC3 or FCC4** controller.

In such cases, where the dual-memory facility is used the records of both transactions are displayed on the screen after a power failure.

NOTE: A journal printer is not required."

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.



National Standards Commission

Notification of Change
Supplementary Certificate of Approval No S244A
Change No 4

The following changes are made to the approval documentation for the

Postec Model FCC3 Driveway Flowmeter Control System

submitted by Postec Data Systems
Main Road
Albany Auckland NEW ZEALAND.

1. In Supplementary Certificate of Approval No S244A dated 11 March 1996;

(i) The Condition of Approval referring to the review of the approval should be amended to read:

"This approval becomes subject to review on 1 July 1999, and then every 5 years thereafter."

(ii) The Condition of Approval referring to the expiry of the approval should be deleted.

(iii) The description of Variant 5 should be amended to read:

"With one or more IBM-compatible computer-based terminals using Breeze point of sale software."

2. In Technical Schedule No S244A dated 30 September 1994, clause **2.5 Variant 5** should be amended to read, in part:

"With one or more **IBM-compatible computer-based terminals (Figures 4, 6, 7 and 8) including the IBM 4684 point of sale units (Figure 5), using Breeze version 3.** or 4.**** point of sale software, ..."

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

National Standards Commission

Notification of Change

Supplementary Certificate of Approval No S244A

Change No 5

The following changes are made to the approval documentation for the

Postec Model FCC3 Driveway Flowmeter Control System

submitted by Postec Data Systems
Main Road
Albany Auckland NEW ZEALAND.

1. In Supplementary Certificate of Approval No S244A dated 11 March 1996 and in Technical Schedule No S244A dated 30 September 1994 (and its Variations Nos 1 to 3 dated 13 April 1995, 10 November 1995 and 11 March 1996), all references to the address of the submittor should be amended to read;

   Unit F, 8 Piermark Drive
   North Harbour Industrial Estate
   Albany Auckland NEW ZEALAND

2. In Technical Schedule No S244A dated 30 September 1994, and its Variations Nos 1 to 3 dated 13 April 1995, 10 November 1995 and 11 March 1996 (including all Figures) any reference to Postec model FCC3 controller should be amended to read “Postec model FCC3 or PCC3 controller”, while any reference to Postec model FCC4 controller should be amended to read “Postec model FCC4 or PCC4 controller”.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

National Standards Commission

Notification of Change
Supplementary Certificate of Approval No S244A
Change No 6

The following change is made to the approval documentation for the

Postec Model FCC3 Driveway Flowmeter Control System

submitted by Postec Data Systems
Unit F, 8 Piermark Drive
North Harbour Industrial Estate
Albany Auckland NEW ZEALAND.

In Technical Schedule No S244A Variation No 2 dated 10 November 1995, clause **1.3 Variant 17** should be amended by replacing the 'Note' on page 2 with the following;

> Note: If a power failure occurs while a delivery is in progress, a receipt can be obtained on request. If there is a discrepancy between the printed values and those displayed on the driveway flowmeter, then the following notice is printed on the receipt:
>
> **Power Failure**
>
> **Receipt is Correct**
> **Record of Transaction**

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

S244A
25 July 2001

National Standards Commission

12 Lyonpark Road, North Ryde NSW

Notification of Change

Certificate of Approval No S244A

Change No 7

The following change is made to the approval documentation for the

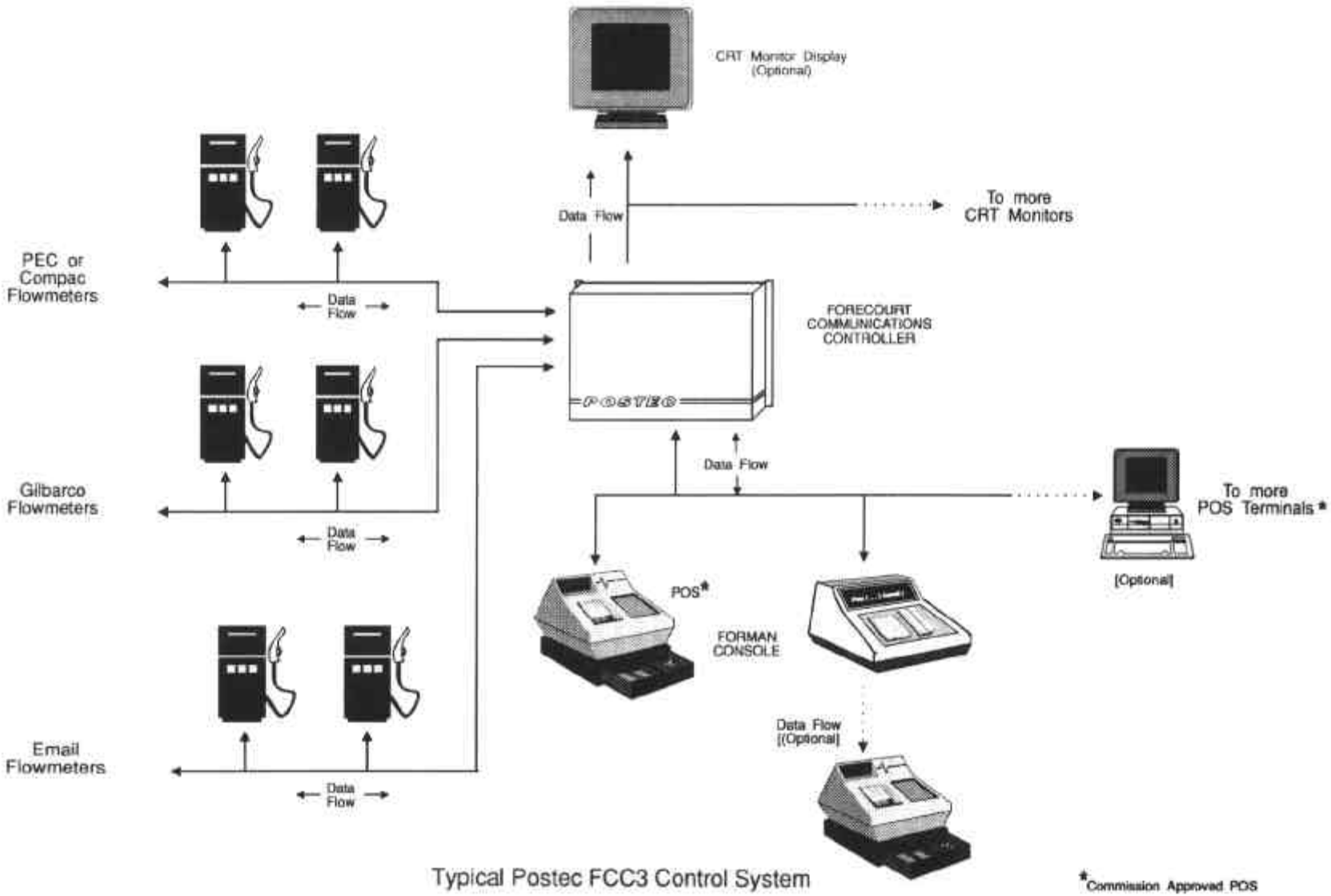
Postec Model FCC3 Driveway Flowmeter Control System

submitted by Postec Data Systems
Unit F, 8 Piermark Drive
North Harbour Industrial Estate
Albany Auckland NEW ZEALAND.

In Technical Schedule No S244A Variation No 1 dated 13 April 1995, clause **1.2 Variant 14** should be amended by deleting the second paragraph, which states that “Instruments shall not be used for prepay transactions”.

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.

FIGURE S244A - 1



Typical Postec FCC3 Control System

*Commission Approved POS

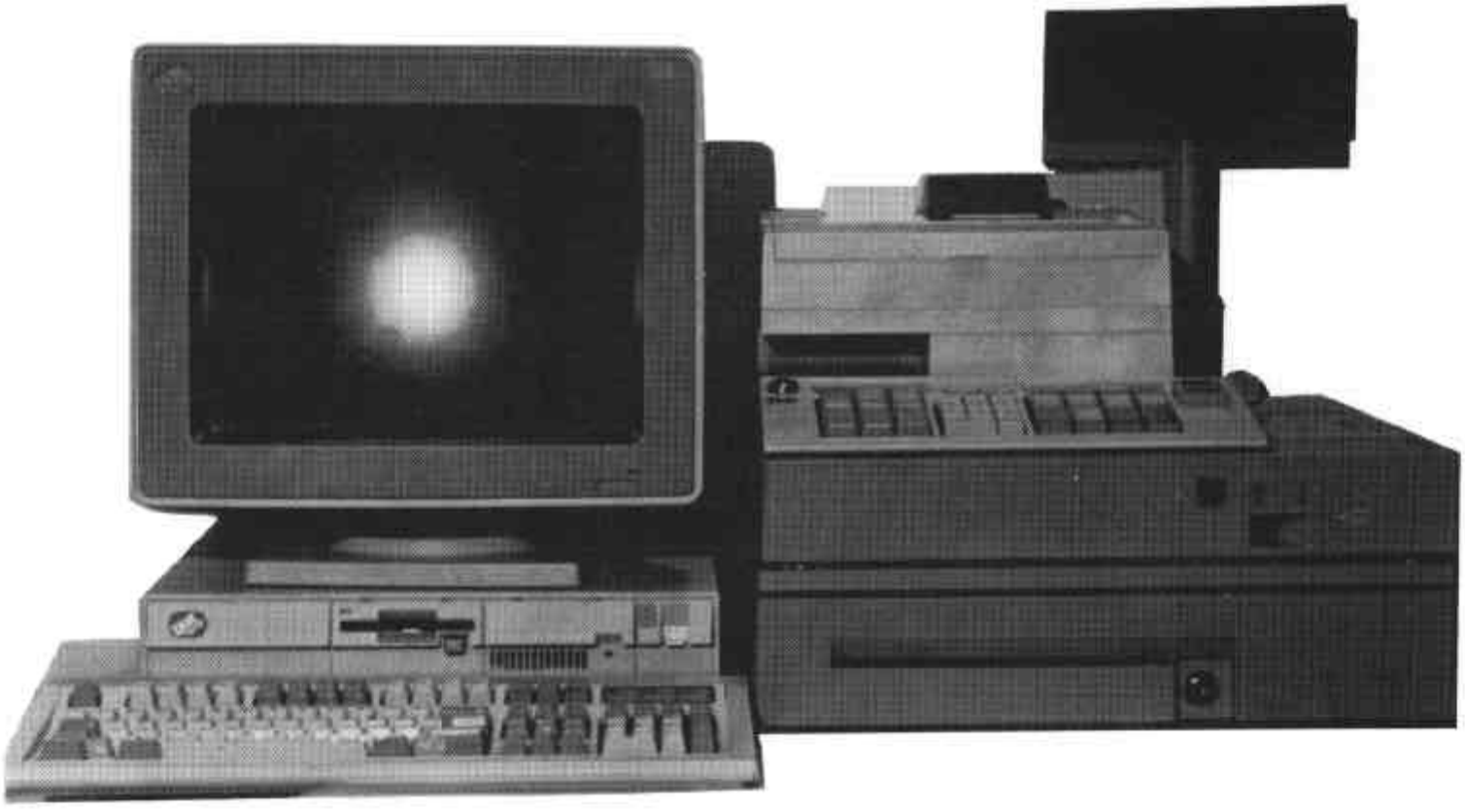
FIGURE S244A - 2

Postec Model FCC3 Controller

FIGURE S244A - 3

Sanyo Model 720 Operator's Console and Model FCC VDU

FIGURE S244A - 4



IBM PS/2 eries Personal Computer and Model 4683 E

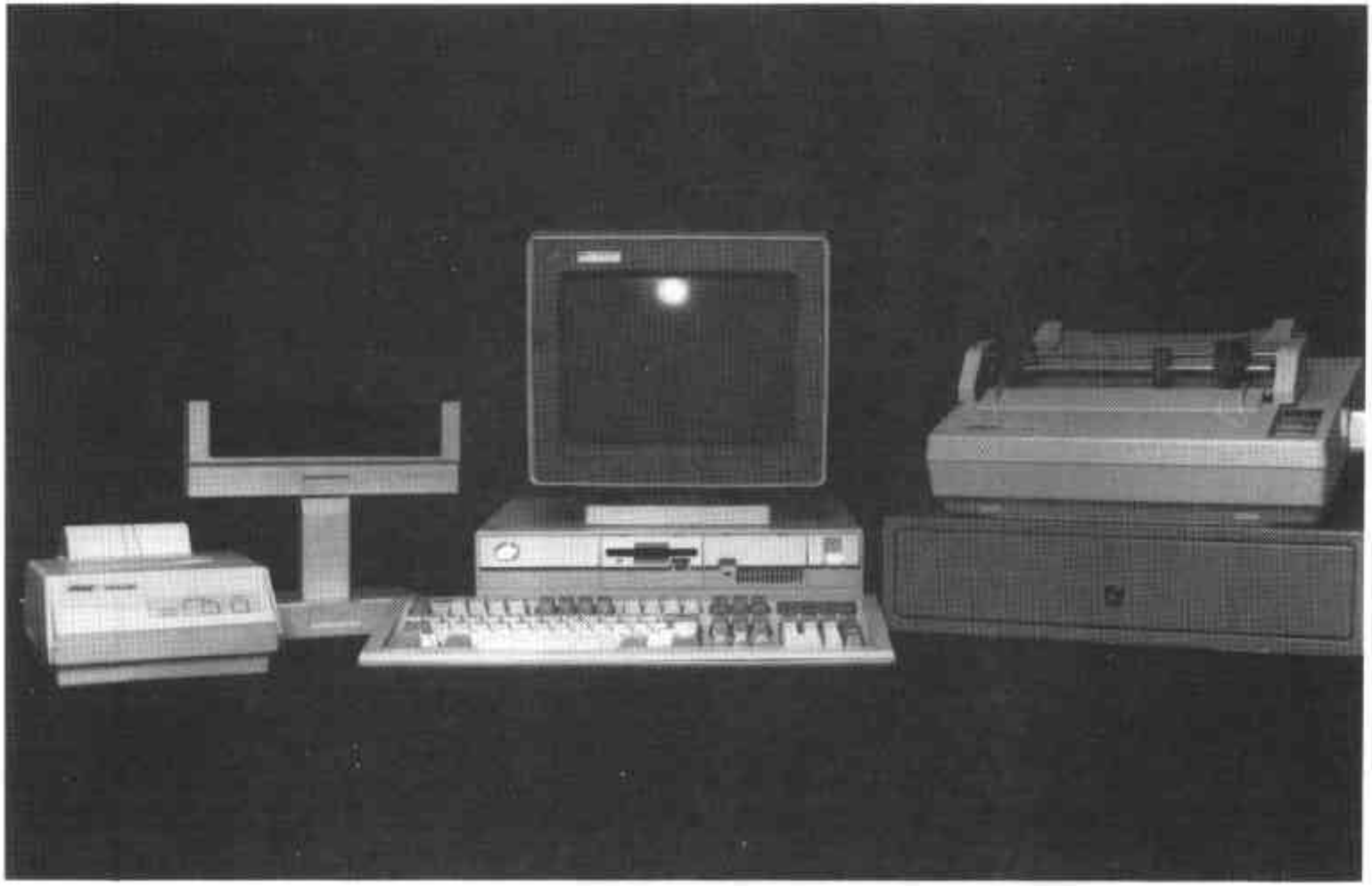
FIGURE S244A - 5

IBM Model 4684 POS Unit with IBM VDU and Keyboard

FIGURE S244A - 6

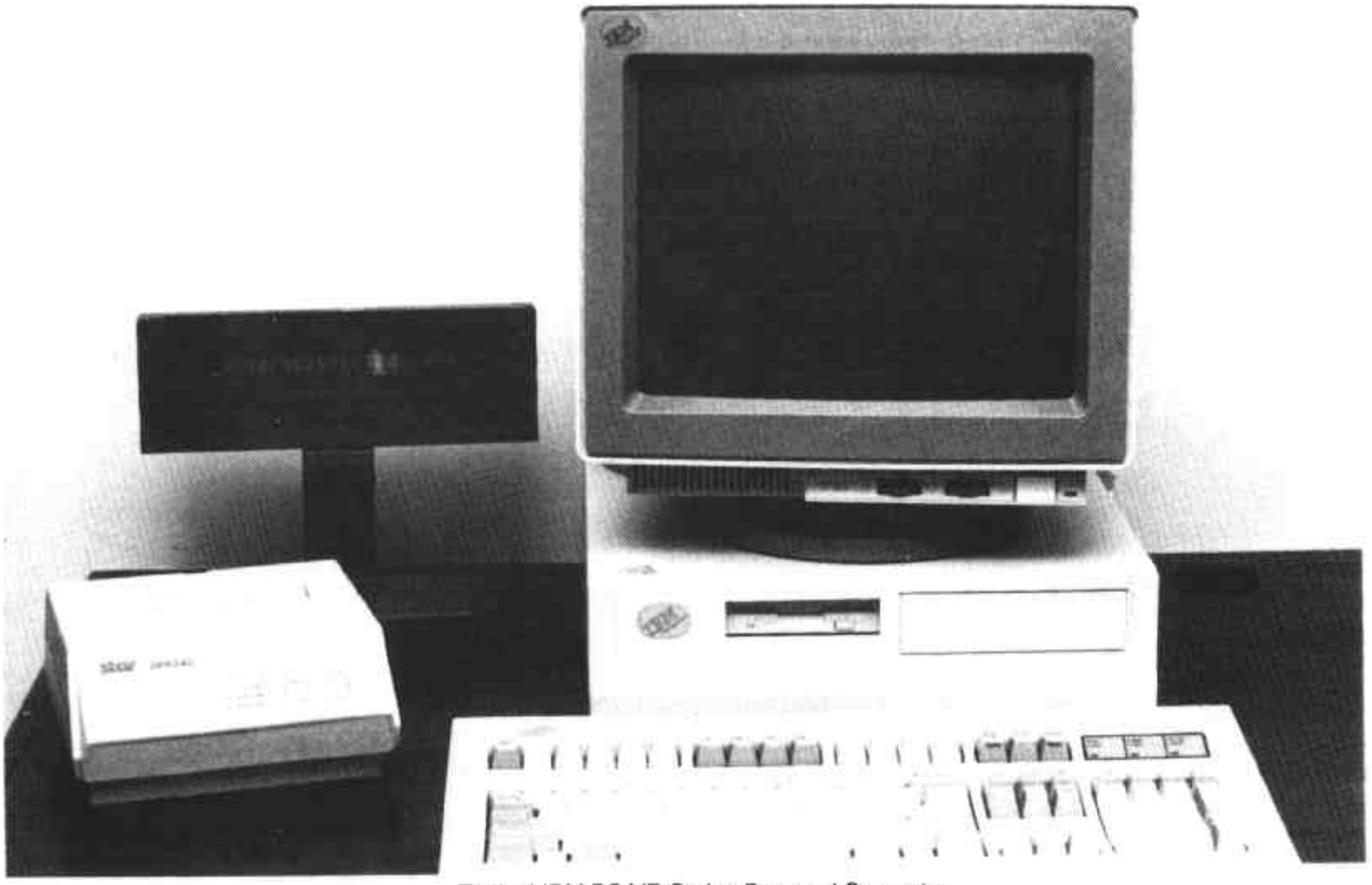
Typical IBM PS/2 Series Personal Computer
As a 'PetroPos' POS Unit

FIGURE S244A - 7



Typical IBM PS/2 Series Personal Computer
As a 'Breeze' POS Unit

FIGURE S244A - 8

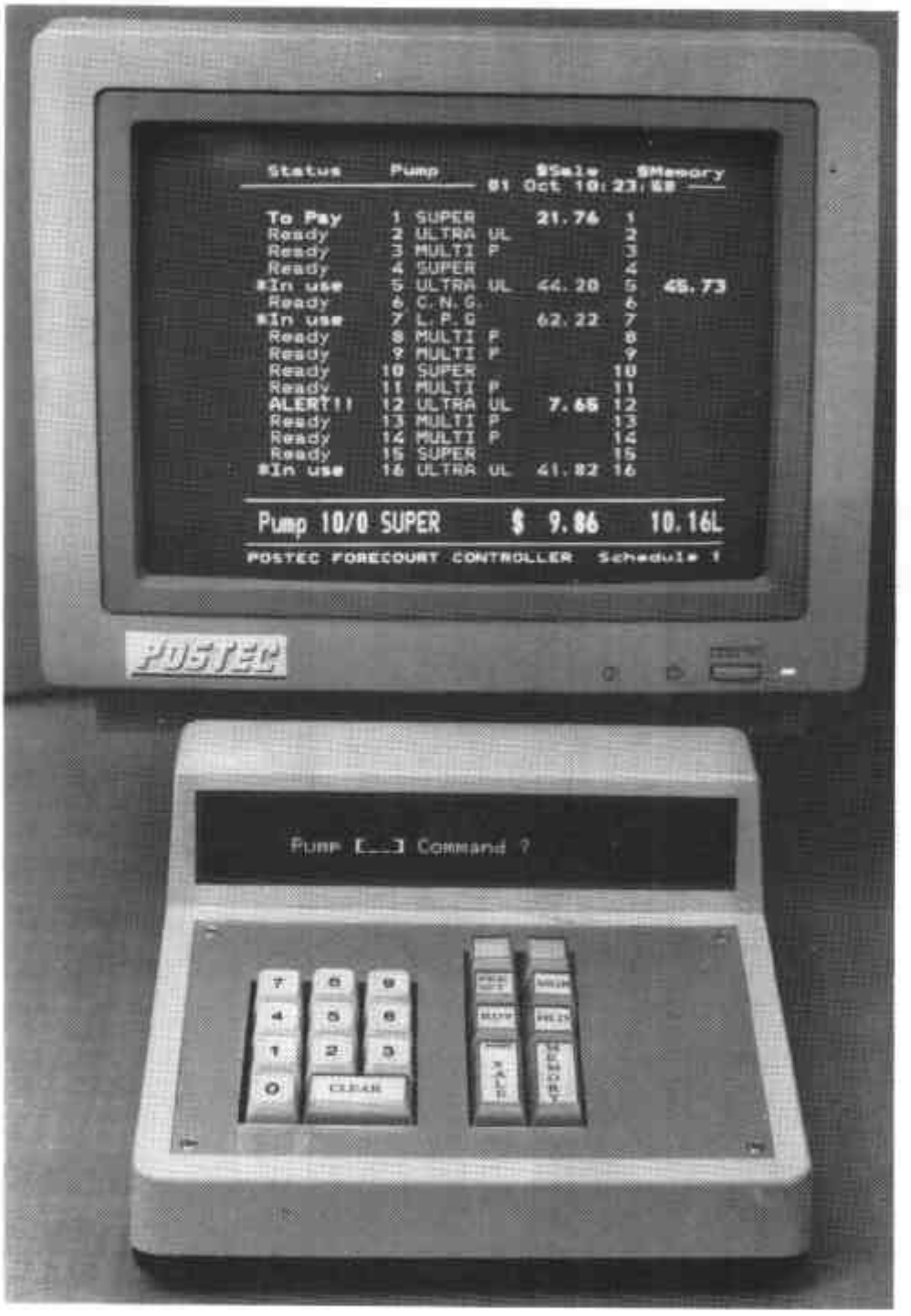


Typical IBM PS/VP Series Personal Computer
As a 'Breeze' POS Unit

FIGURE S244A - 9

Typical IBM Model 4694 POS Unit
With Model 4694 VDU

FIGURE S244A - 10



Postec Model FORMAN Control Console and Model FCC VDU

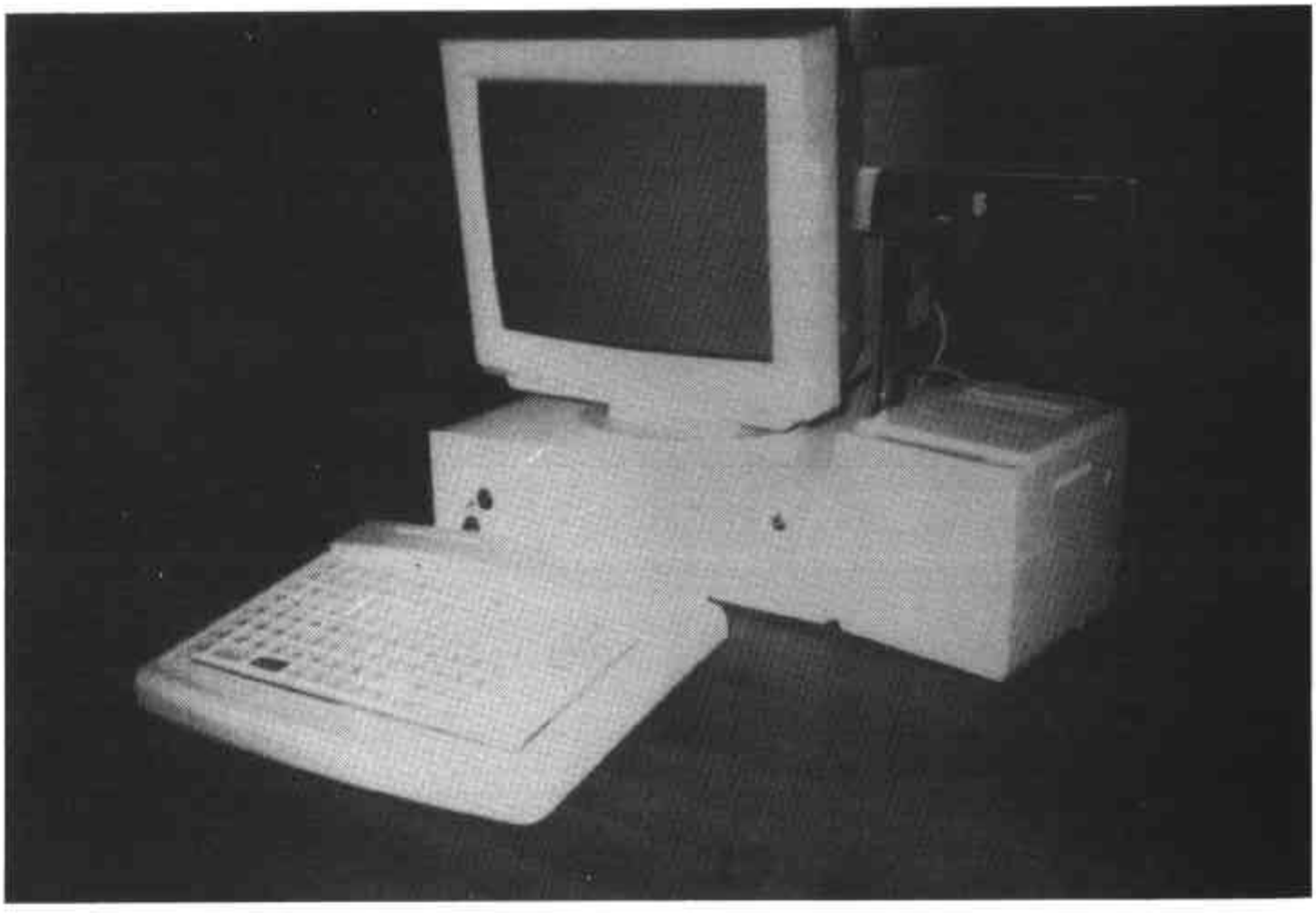
FIGURE S244A - 11

Set Technologies Model MPRS IPC Control Console

FIGURE S244A - 12

Casio Model SA-1000 Control Console

FIGURE S244A - 13



Typical EMIS FuelPOS Point of Sale Unit

FIGURE S244A - 14

Postec Model FORMAN (Version 3) Console

FIGURE S244A - 15

Postec Model 4DET Terminal

FIGURE S244A – 16

Typical Smart Retail Terminals Model PCU 1880 Terminal

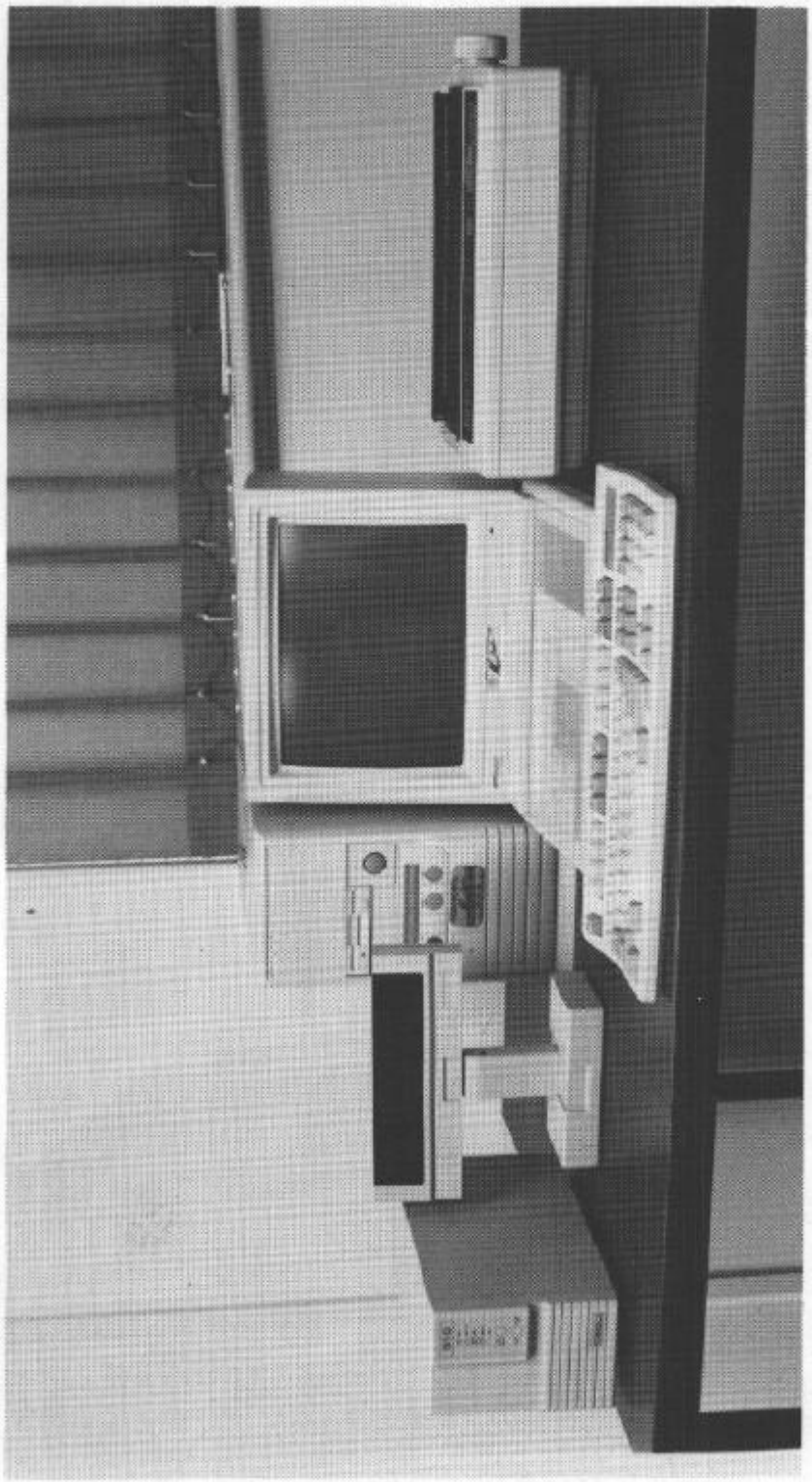
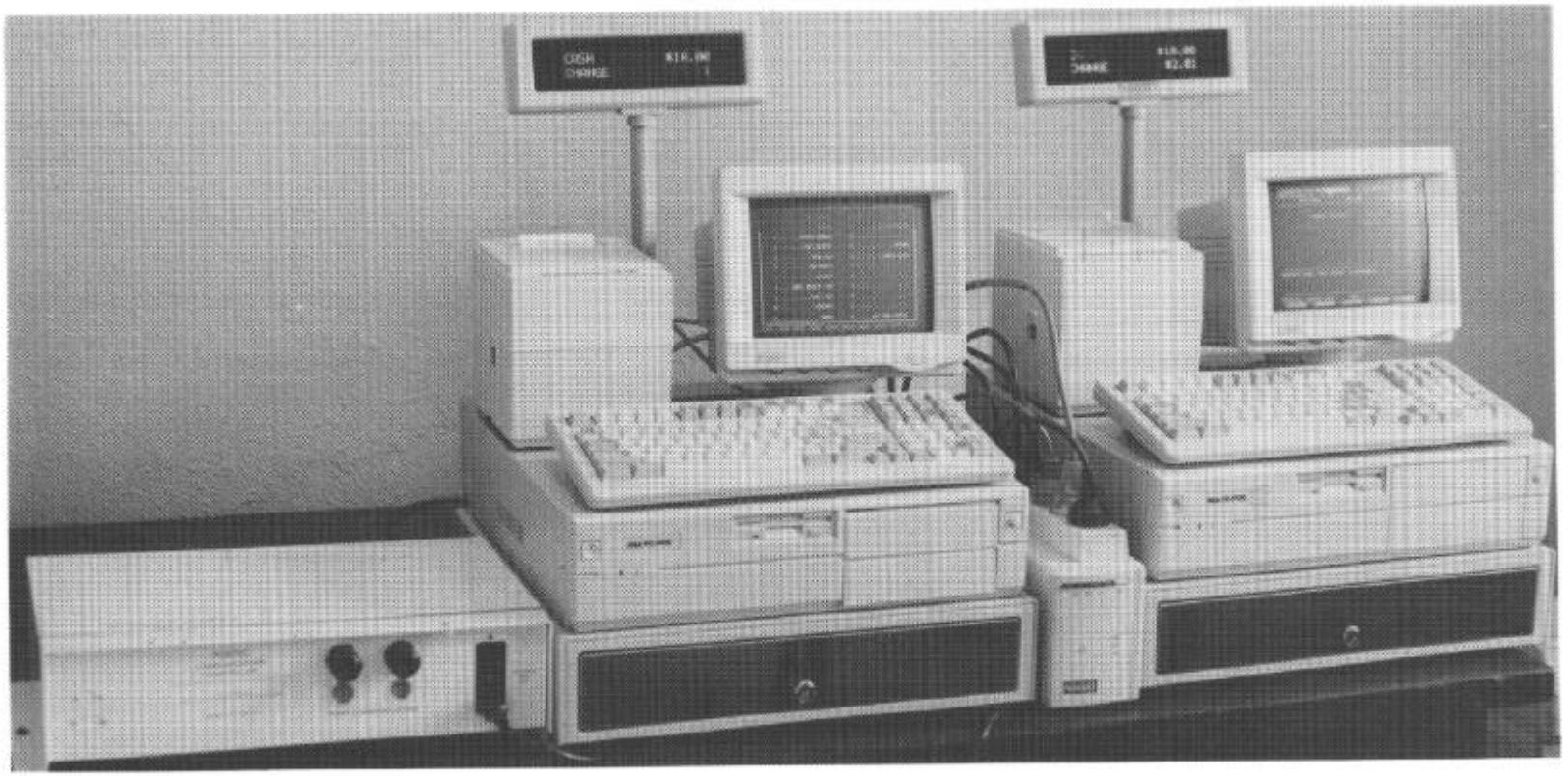


FIGURE S244A – 17

Typical Megabus Terminal

FIGURE S244A – 18



Typical Retail Systems Australia Model RSA PC-POS Terminals

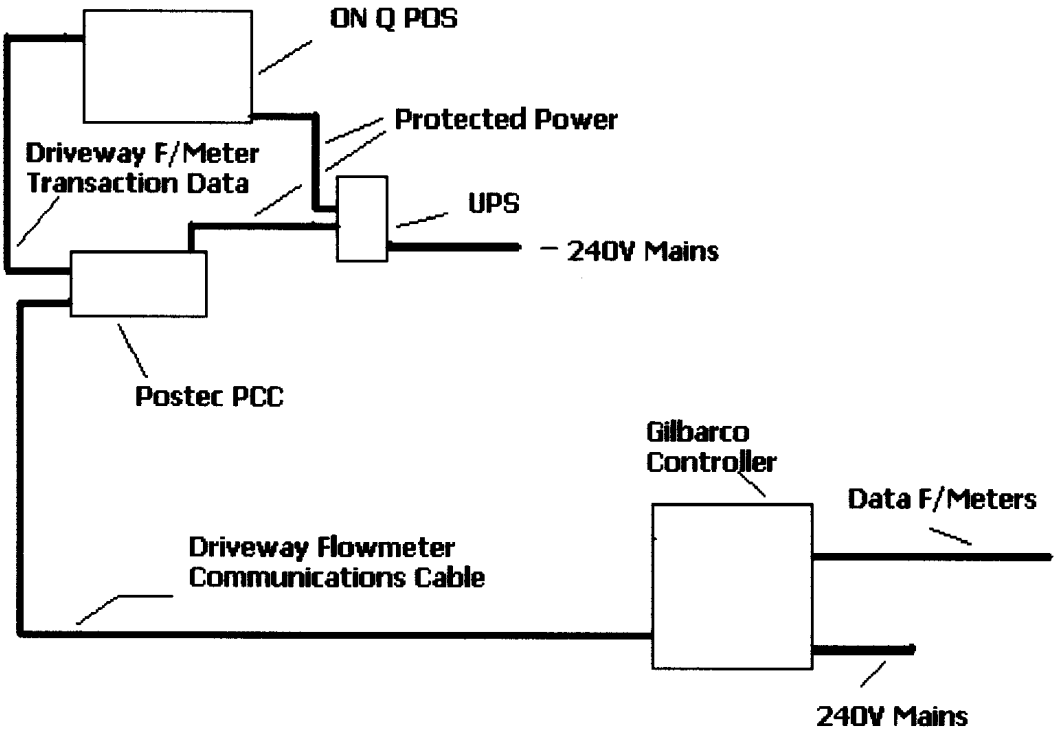
FIGURE S244A - 19

TEC Model POS ST-4501 Terminal

FIGURE S244A - 20

TEC Model POS ST-5501 Terminal

FIGURE S244A - 21

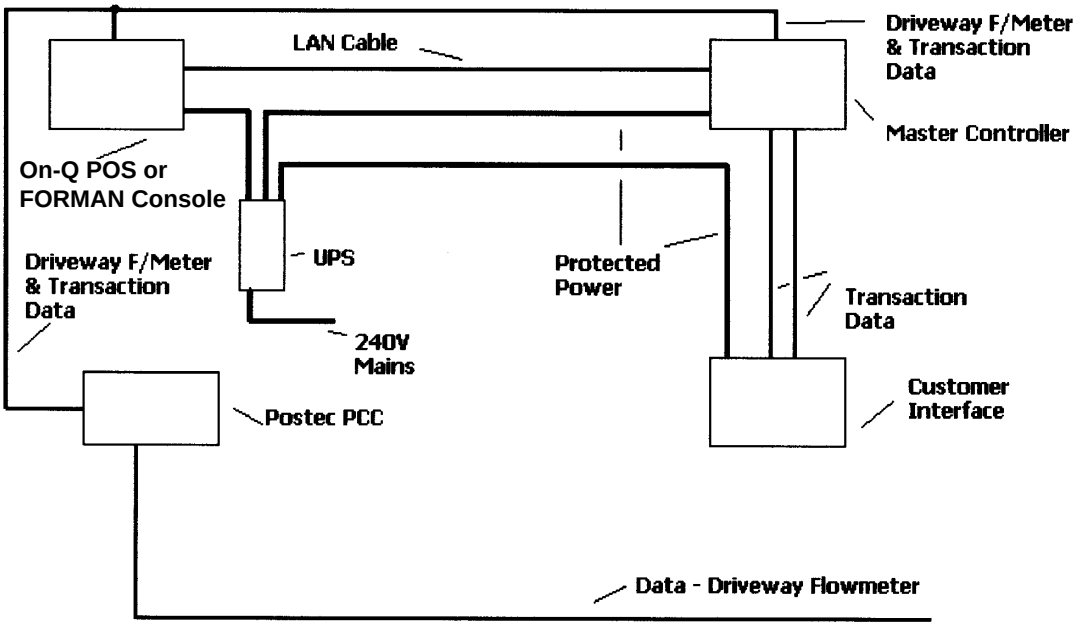


Typical On-Q/MACRIP System (Variant 26)

FIGURE S244A - 22

Typical On-Q FATM Customer Interface (Variant 27)

FIGURE S244A - 23



Typical On-Q FATM System (Variant 27)