Australian Government
Department of Industry, Science and Resources

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

NMI S572

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

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

Idealpos Model Idealpos i15 Point of Sale (POS) System

submitted by Idealpos Solutions Pty Ltd
601 Curtin Ave E
Pinkenba QLD 4008

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.

This approval has been granted with reference to document NMI M 7, *Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

This approval of variant 3 has been granted with reference to document NMI R 117, *Measuring Systems for Liquids Other than Water*, dated June 2011 and with reference to document NMI M 7, *Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

This approval is subject to review at the decision of the Chief Metrologist in accordance with the conditions specified in the document NMI P 106.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – interim certificate issued	5/10/12
1	Pattern approved – certificate issued	28/11/12
2	Pattern amended (**software version**) – certificate issued	18/07/16
3	Variant 1 approved – certificate issued	04/03/24
4	Variant 2 approved – certificate issued	27/11/24

Rev	Reason/Details	Date
5	Variant 3 approved – certificate issued	10/07/25

CONDITIONS OF APPROVAL

General

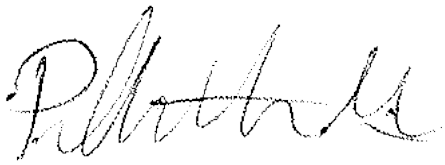
Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S572' and only by persons authorised by the submitter.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) 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 document NMI P 106.

Special

Certain aspects of this instrument (in particular transaction record printing formats) are able to be configured by the user. Whilst NMI believes that acceptable formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

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



Phillip Mitchell
A/g Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No S572

1. Description of Pattern approved on 5/10/12

An Idealpos model Idealpos i15 system (Figure 1) to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments granted with reference to document NMI M 7.

1.1 Key Features

- The system provides point of sale arrangements for a Mettler Toledo model Viva self-indicating non-automatic weighing instrument (approval NMI 6/4C/239) or other compatible (#) NMI-approved measuring instruments.
- The system receives measurement data from the output interface of the approved measuring instrument and computes prices using a product look up (PLU) facility.
- The system computes total price for multiple items including non-measured items and is approved for use for transactions direct to the public.
- Manually entered measurement data shall be indicated as such on a printed transaction record.
- The system is able to apply a preset tare value up to the maximum capacity of the approved measuring instrument. Preset tare values may be keyboard-entered or stored (e.g. within a PLU facility).
- The POS controllers may be connected in a network to share common PLU data, for totalisation, and to accumulate and retrieve management information.

(#) 'Compatible' is defined to mean that no additions/changes to the hardware/software specified in this approval are required for satisfactory operation of the system.

1.2 System Description

The Idealpos Solutions model Idealpos i15 point of sale (POS) system (Figure 1) comprises:

(i) POS Controller

The Idealpos model Idealpos i15 POS controller or equivalent (*) is a PC-based device that operates a Microsoft Windows operating system running Idealpos version 6.xx **or 7.xx** software. The software version number is displayed on startup of the software.

(ii) Electronic Indications

Indications shall satisfy the requirements of document NMI M 7, *Pattern Approval Specifications for Point of Sale Systems*.

The Idealpos model Idealpos i15 controller includes a built-in touch sensitive computer monitor or equivalent (*) to provide an indication for the operator (Figure 2).

The controller also includes a model Idealpos i15 built-in display or equivalent (*) which provides an indication for the customer (Figure 3).

Information additional to that required by document NMI M 7, including totalisation details and product images, may also be indicated.

(iii) Printing Devices

Transaction records shall satisfy the requirements of document NMI M 7, *Pattern Approval Specifications for Point of Sale Systems*.

An Idealpos model LK-T210 printer or equivalent (*) is connected to the controller to provide transaction record printing facility. A typical sample is shown in Figure 4.

(*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to the software specified in this approval for satisfactory operation of the system.

(iv) Additional System Facilities

In addition, the system may include other facilities including point of sale cash drawers, magnetic card and/or barcode reader and electronic funds transfer (EFT). The facilities shall not interact with the system in a way that would cause an incorrect indication of the measured quantity or price.

1.3 Verification Provision

Provision is made for the application of a verification mark.

1.4 Descriptive Markings

The POS controller is marked in a clear and permanent manner, in one location, with the following information:

Submitter's name or mark	……..
Serial number or other unique identifier	……..
Pattern approval number	NMI S572

2. Description of Variant 1 **approved on 04/03/24**

With the Idealpos POS controller now operating Idealpos version 8.xx software.

3 Description of Variant 2 **approved on 27/11/24**

With the Idealpos POS controller now operating Idealpos version 9.xx software.

4 Description of Variant 3 **approved on 10/07/25**

An Idealpos model Idealpos control system (Figure 5) to provide an attended self-service facility for compatible (#) approved fuel dispensers for motor vehicles. The fuel dispensers are controlled by the Idealpos system through the Integration Technologies Enabler flowmeter controller (as described in approval NMI S518).

4.1 Key Features

- The system is approved for environmental class A, a climate-controlled environment between +5 °C and +30 °C.
- The system can provide a self-serve arrangement for compatible (#) NMI-approved fuel dispensers.
- The system allows post-payment or pre-payment deliveries; in the latter case the fuel dispenser must incorporate a pre-set device.
- The system allows up to two transactions per fuel dispenser, i.e. current sale on the fuel dispenser and a stored transaction.

- The system may facilitate mixed-mode operation for unattended self-service mode. A control system that is approved for unattended self-service operation must be interfaced to the Idealpos control system for operation in this mode.
- Additional POS consoles may be interfaced for multi-attended self-serve operation.
- The nominal supply voltage is 240 V AC.

(#) 'Compatible' is defined to mean that no additions/changes to the hardware/software specified in this approval are required for satisfactory operation of the system.

4.2 System Description

The Idealpos model Idealpos control system comprises:

(i) Point of Sale (POS) Console

The Idealpos point of sale console comprises a Oolio Model Oolio-B or equivalent (*) PC-based device using a Microsoft Windows operating system running Idealpos version 9.x.x.x software. The software version number is displayed at top left corner of the operator screen.

(ii) Fuel Dispenser Controller

An Integration Technologies Enabler flowmeter controller as described in the documentation of approval NMI S518, provide interface and data acquisition between the fuel dispensers and the Point of Sale console.

(iii) Uninterruptible Power Supply (UPS)

A UPS unit is included to provide operation under power failure condition. The UPS is interfaced to the point of sale console and the customer display.

(iv) Electronic Indications

The OOLIO model Oolio-B POS console has an integral touch sensitive display to provide an indication for the operator and the customer (Figure 6 & 7).

(v) Printing Devices

An Idealpos Solutions model IDPTP-100USE receipt printer or equivalent (*) is connected to the POS console. A typical record is shown in (Figure 8).

(*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to software for satisfactory operation of the complete system.

(vi) Additional System Facilities

In addition, the model Idealpos control system may include point of sale facilities including cash drawers, a magnetic card or barcode reader and EFT facility. The facilities shall not interact with the console in a way that would cause an incorrect indication of the measured volume or price.

4.3 Checking Facilities

(i) Receipt Printer

The system monitors the condition of the receipt printer and if an error is detected, a visual warning is displayed on the operator's screen.

(ii) Customer Display

If the connection to the customer display is interrupted or an error occurs with the display the memory storage ability will be disable.

(iii) Uninterruptible Power Supply (UPS)

The system monitors the condition of the UPS and if an error condition or power failure is detected the controller will prevent the ability to store a result in temporary memory and authorise a stored transaction.

TEST PROCEDURE No S572

The POS system shall be tested in addition to any tests specified in the approval documentation for the instruments to which the POS system is connected, as appropriate

The POS system shall be tested in the normal operational mode of the instrument and device, not in 'training mode' or any other management mode.

Maximum Permissible Error

The maximum permissible error for price computation is ±0.5 cent.

TESTS

A. For the pattern and variants (weighing POS systems)

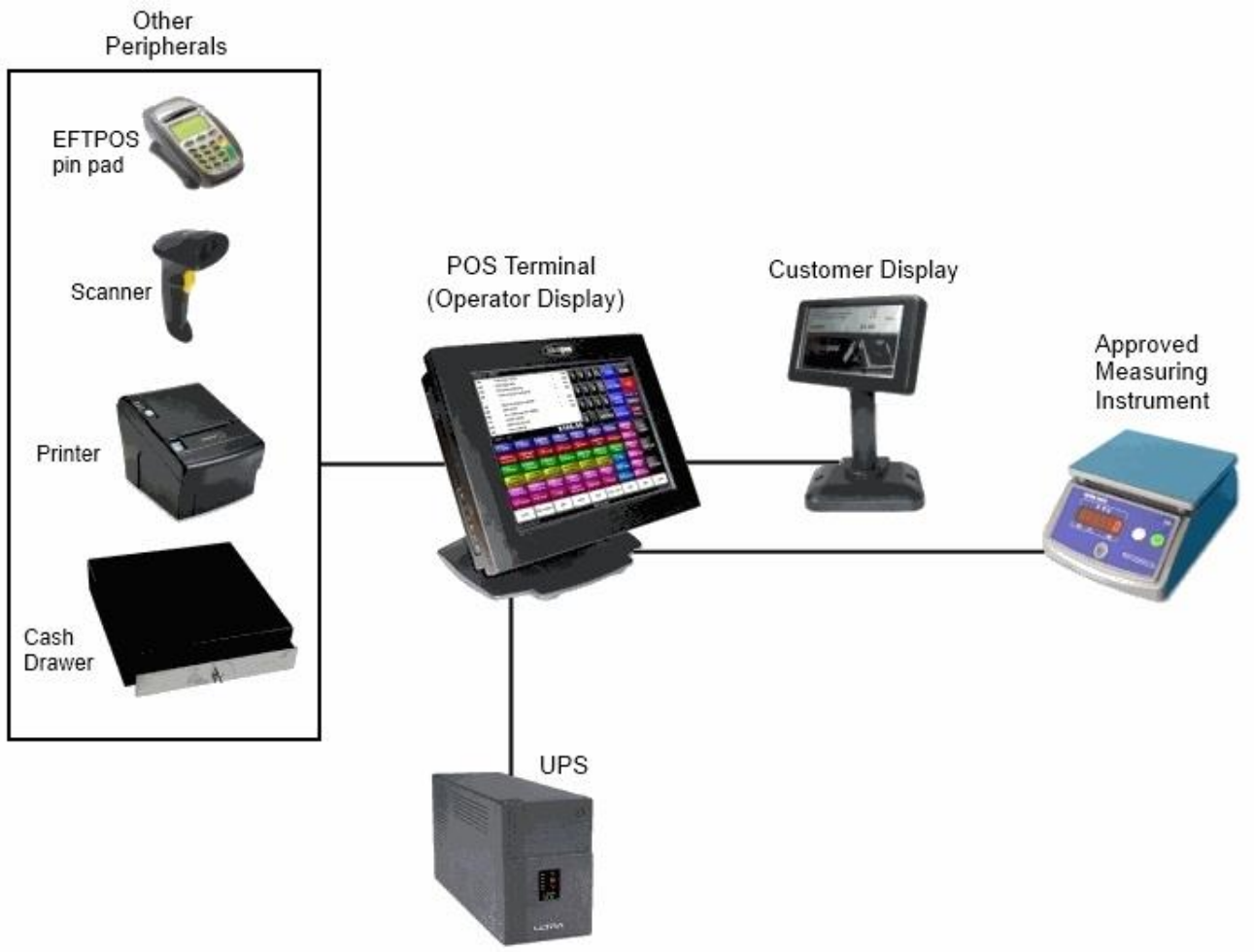
1. Check the software version number/s.
2. Check that the POS system faithfully reproduces the measurement data in the same units and scale interval as the connected approved measuring instrument, e.g. test by using a PLU without a stored tare.
3. Check that the system performs correct price computation, and computes and indicates a correct unrounded subtotal. For cash payment methods, check that any rounding calculation is correct.
4. Perform a measurement with a preset tare applied and confirm that the POS system correctly calculates and indicates a net measurement result.
5. Manually enter some pre-determined measurement data and ensure that the printed transaction record clearly indicates the transaction as such.
6. For network systems check to ensure that the measurement data printed on the transaction record is correctly reproduced.
7. Ensure that electronic indications and printed information are in accordance with document NMI M 7.

B. For variant 3 only (fuel POS systems)

1. Check the software version number.
2. Check that the unit price change for the grade of fuel is implemented to the allocated fuel dispensers when they are available for authorisation.
3. Check that the system identifies, displays and prints the correct data for the corresponding number allocated to the fuel dispenser.

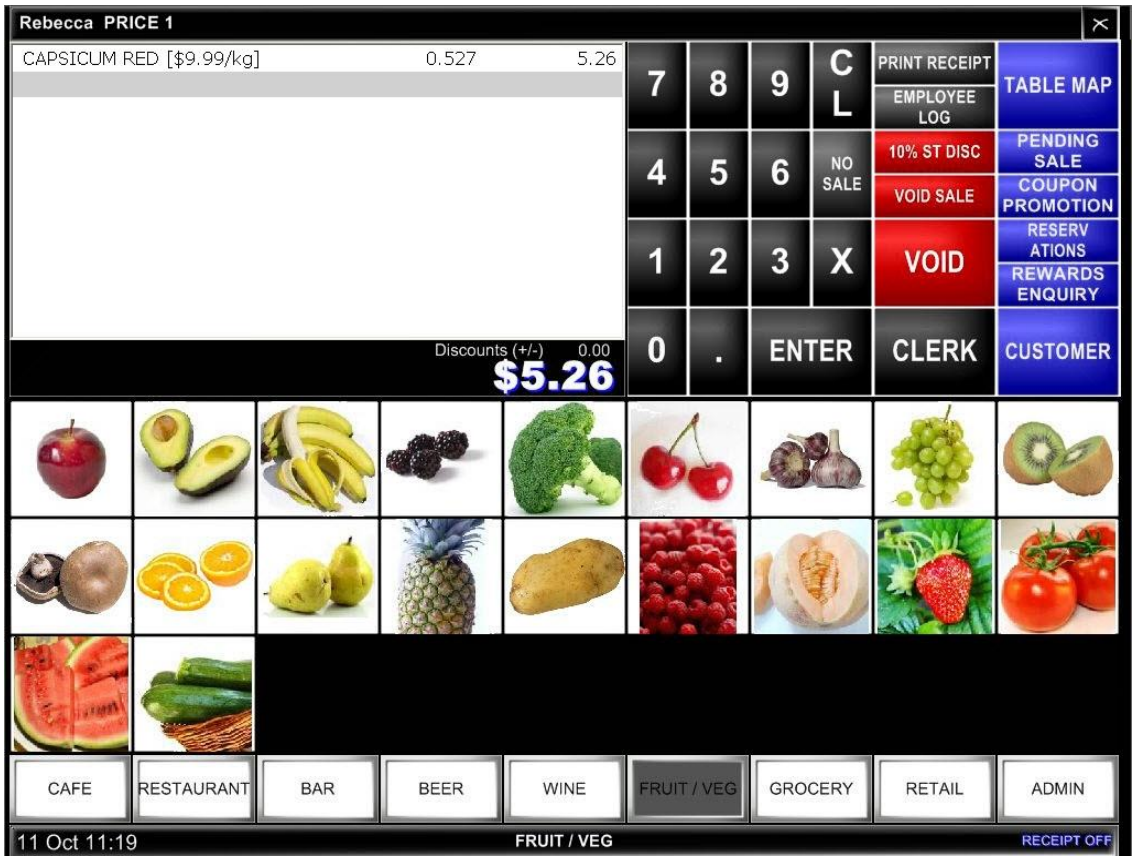
4. Authorise a delivery and check that the delivery details on the fuel dispenser agree with the receipt obtained.
5. Authorise a stored delivery and check that the delivery details of the first delivery to be stored in memory is printed on the audit printer.
6. A pre-paid delivery is only possible for fuel dispensers with pre-set facility. For a pre-paid delivery check that the amount displayed on the fuel dispenser equals the pre-paid amount
7. Check that when the Customer Display is disconnected from the Point of Sale Console (simulation of fault), the fuel dispenser cannot be authorised for a second delivery unless the transaction for the first delivery has been completed.
8. Check that when the Uninterruptible Power Supply is disconnected from the Point of Sale Console (simulation of fault), the fuel dispenser cannot be authorised for a second delivery unless the transaction for the first delivery has been completed.

FIGURE S572 – 1



An Idealpos Model Idealpos i15 Point of Sale (POS) System

FIGURE S572 – 2



Typical Operator Screen

FIGURE S572 – 3

Typical Customer Screen

FIGURE S572 – 4

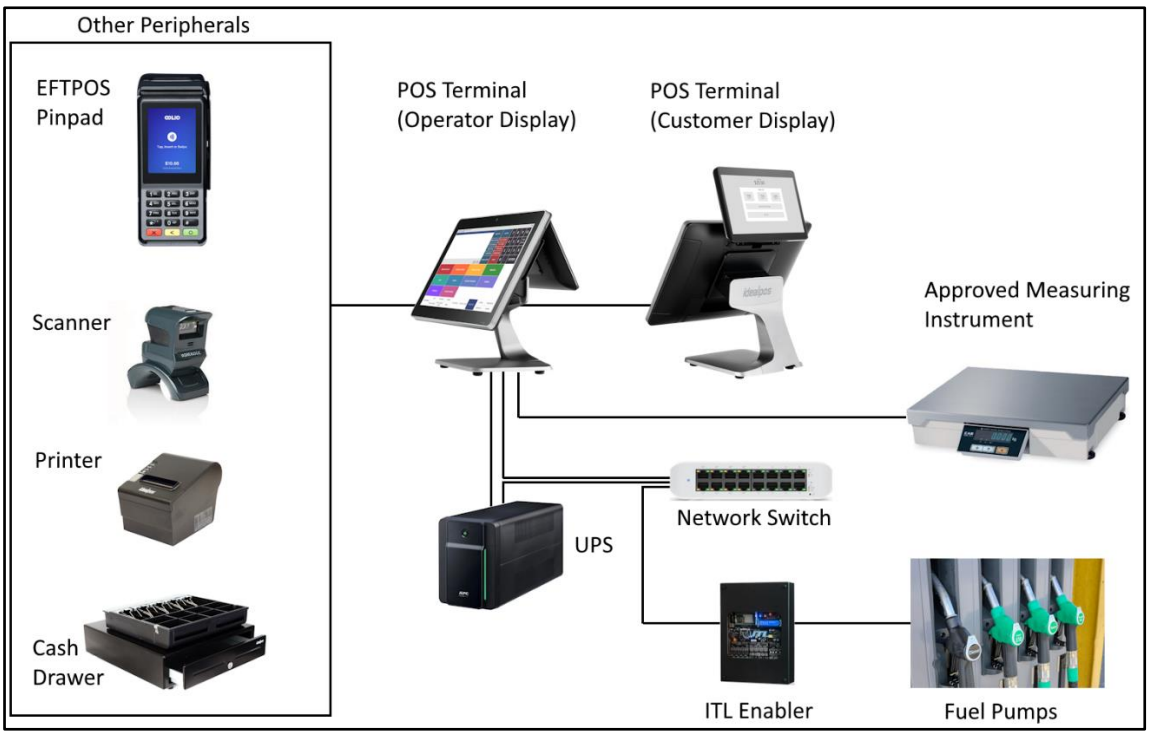
Idealpos Solutions
Demo System - Not For Re-Sale
TAX INVOICE
ABN 12 345 678 901

#000017 Mark 21/08/12 10:10:01

APPLES GRANNY SMITH	
1.050kg @ $5.18/kg	$5.44
BANANAS*	
1.234kg @ $11.98/kg	$14.78
Preset Tare 3 grams*	
2.047kg NET @ $10.00/kg	$20.47
Preset Tare 5 grams*	
2.045kg NET @ $10.00/kg	$20.45
Sub-Total	$61.14
ROUNDING	$0.01
TOTAL	$61.15
Total Items: 4	
GST Subtotal	$55.70
GST Amount	$5.06
GST FREE Subtotal	$5.44
CASH	$100.00
Change	$38.85

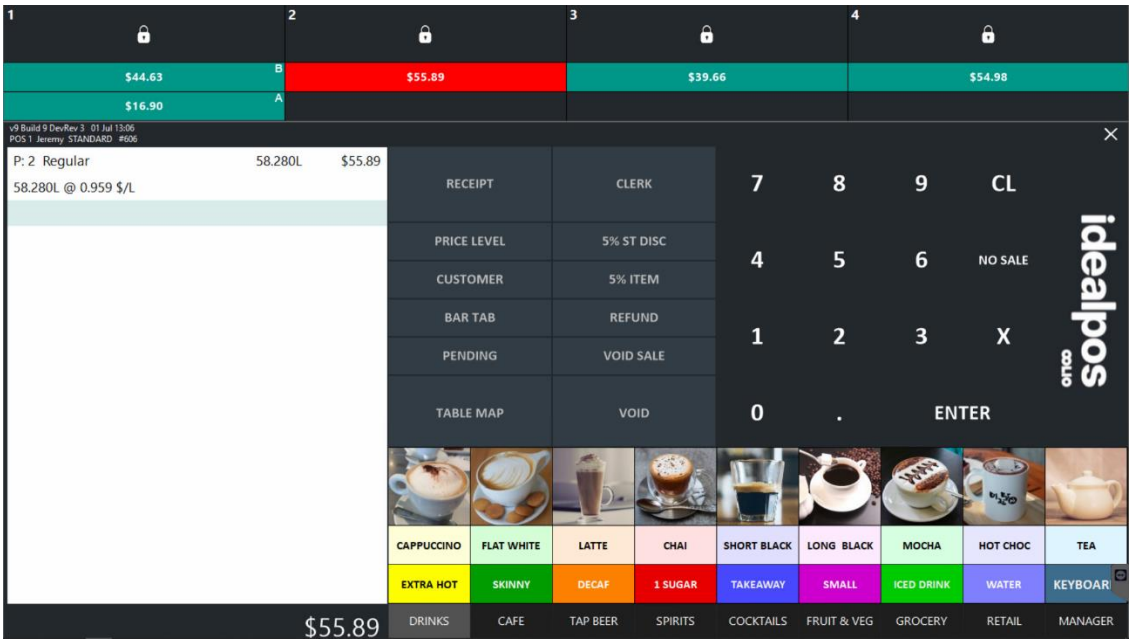
A Typical Receipt

FIGURE S572 – 5



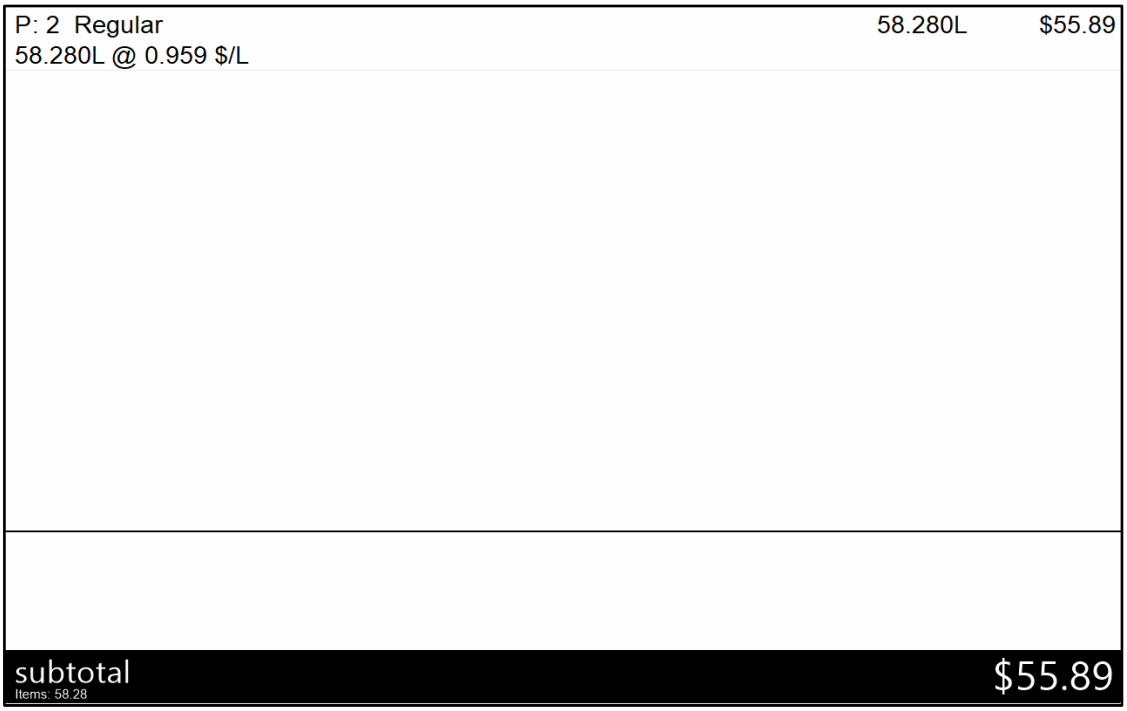
An Idealpos model Idealpos control system for fuel dispensers (variant 3)

FIGURE S572 – 6



Typical Operator Display (variant 3)

FIGURE S572 – 7



Typical Customer Screen (variant 3)

FIGURE S572 – 8

```
            I D E A L P O S


          1/212 Curtin Ave West
          Eagle Farm  QLD  4009
                Australia

               TAX INVOICE
              123-456-789-11

#000606-1 Jeremy 01-Jul-2025 13:08:26


P: 2  Regular*                          $55.89
    58.280L @ 0.959 $/L

Sub-Total                               $55.89
ROUNDING                                 $0.01
                                      ----------
T O T A L                               $55.90
                                      ----------
GST Amount                               $5.08

C A S H                          $ 6 0 . 0 0

 Change                                  $4.10
*indicates taxable supply

           Powered by Idealpos
```

A Typical Receipt (variant 3)

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