



Australian Government
Department of Industry,
Innovation and Science

**National
Measurement
Institute**

**Supplementary Certificate of Approval
NMI S730**

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.

Wayne Fueling Systems Model Fusion 6000 Controller for Fuel Dispensers for Motor Vehicles

submitted by Wayne Fueling Systems Sweden AB
Hanögatan 10
Malmö 211 24
SWEDEN

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 R 117 Measuring Systems for Liquids Other than Water, dated June 2011.

This approval becomes subject to review on 1/1/22, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – certificate issued	23/12/16

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S730' 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.

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

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



Mario Zamora

TECHNICAL SCHEDULE No S730

1. Description of Pattern **approved on 23/12/16**

A Wayne Fueling Systems model Fusion 6000 controller (Figure 1) that operates as the controller for compatible (#) approved self-service control systems for Fuel Dispensers for Motor Vehicles

1.1 Field of Operation

The field of operation of the measuring system is determined by the following characteristics:

- The controller can provide a self-serve arrangement for approved Wayne Model 6000 series fuel dispensers, or other compatible (#) approved fuel dispensers.
 - The controller may facilitate operation in attended or unattended self-service arrangements when interfaced with a compatible (#) approved control system for Fuel Dispensers for Motor Vehicles.
- (#) 'Compatible' is defined to mean that no additions/changes to hardware/software are required for satisfactory operation of the complete system.

1.2 System Description

The Fusion 6000 controller (Figure 2) provides the interface between an approved self-service control system and the fuel dispensers.

(i) Controller

The Fusion 6000 controller is a standalone device with communication interfaces to compatible fuel dispensers and an external self-service control system (Figure 1). The controller also comprises an embedded PC operating a Windows based operating system operating Wayne Fusion software. The embedded PC may have peripherals connected to operate any compatible (#) approved control systems (Figure 3)

The controller provides the self-service control system with the fuel dispenser control functions.

(ii) Controller Software

Wayne Fusion version 4.xx software operating on a Microsoft Windows operating system provides the software interface to the controller for the configuration and control of fuel dispensers.

1.3 Checking Facilities

The Fusion 6000 controller receives the fuel sale data (unit price, litres dispensed and total price) directly from the fuel dispenser(s). The controller monitors the status of connected fuel dispensers. Error checking verifies that transmitted data is correct.

Additional system checking facilities may be required when the controller is used in an attended or unattended self-service system. The checking facilities are described in the approval documentation for the point of sale system that is interfaced to the controller.

1.4 Verification Provision

The Fusion 6000 controller does not require a separate verification mark

1.5 Sealing Provision

The Fusion 6000 controller does not require sealing.

1.6 Descriptive Markings and Notices

Instruments are marked with the following data, together in one location, in the form shown at right:

Manufacturer's name or mark
Manufacturer's designation (model number)
Pattern approval number	NMI S730
Year of manufacture
Serial number of the instrument

2. Description of Variant 1

approved on 23/12/16

A Fusion 1000 or 3000 model controller which is similar to the pattern with the controller operating a Linux based operating system. The controller runs the same Wayne Fusion software as described in clause 1.2 (ii) that has been compiled to operate on a Linux based operating system.

TEST PROCEDURE

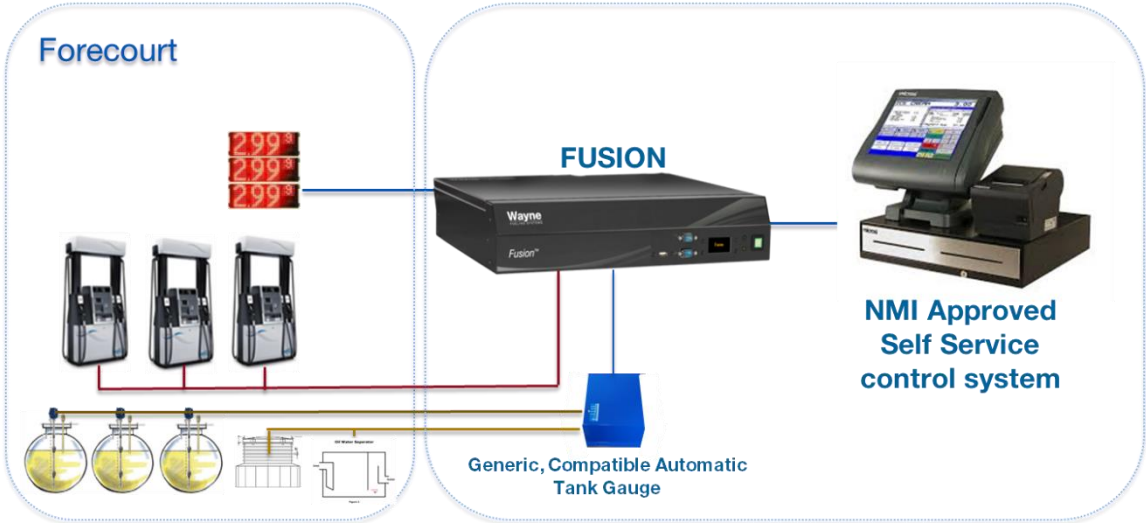
Instruments shall be tested in conjunction with any tests specified in the approval documentation for the instruments to which the pattern is connected, as appropriate, and in accordance with any relevant tests specified in the National Instrument Test Procedures.

Maximum Permissible Errors

The maximum permissible errors are specified in the *National Trade Measurement Regulations 2009*.

.

FIGURE S730 – 1



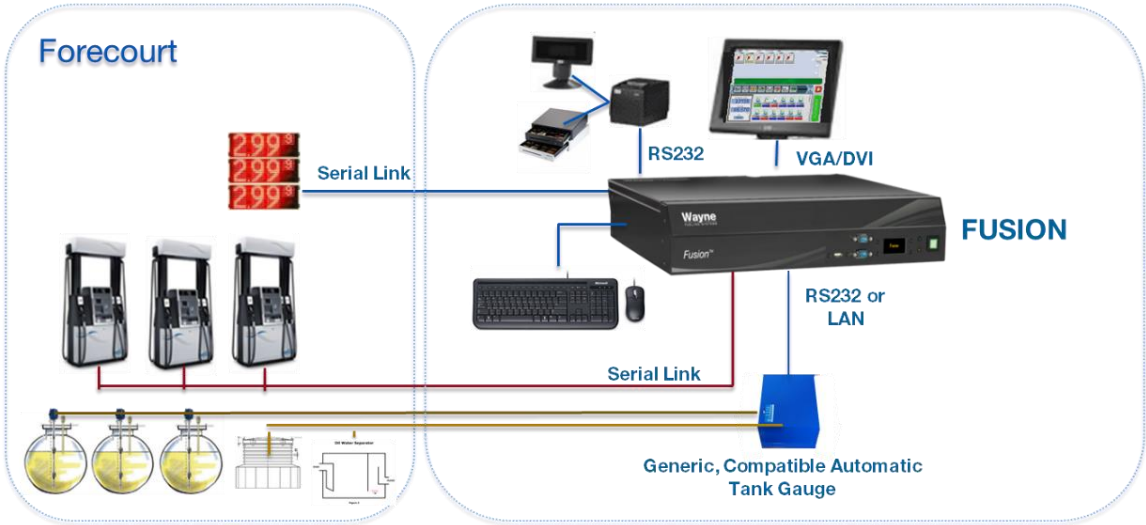
Typical System Overview with external Self-service control system

FIGURE S730 – 2



Fusion Forecourt Controller

FIGURE S730 – 3



Typical configuration of Fusion with Self-service control system operating on embedded controller.

~ End of Document ~