



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Cancellation
Certificate of Approval No 6/4D/292

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 respect of the
Espera-Werke Model ES 300 Price-labelling Weighing Instrument

submitted by Espera-Werke GmbH
 Postfach 10 04 55
 D-47004 DUISBURG
 GERMANY

has been cancelled in respect of new instruments as from 1 December 2010.

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

A handwritten signature in black ink, consisting of a series of loops and flourishes, positioned to the right of the signature text.



National Standards Commission

Certificate of Approval

No 6/4D/292

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

Espera-Werke Model ES 300 Price-labelling Weighing Instrument

submitted by Espera-Werke GmbH
 Postfach 10 04 55
 D-47004 DUISBURG
 GERMANY.

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.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 December **2003**, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/292 and only by persons authorised by the submittor.

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.

Special:

Instruments shall only be used for producing labels to be applied to pre-packed articles.

DESCRIPTIVE ADVICE

Pattern: approved 16 November 1998

- An Espera-Werke model ES 300 multi-interval price-labelling weighing instrument of 12 kg maximum capacity.

Variant: approved 16 November 1998

1. With certain models of Espera-Werke baseworks.

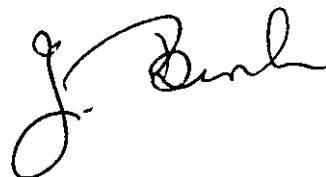
Technical Schedule No 6/4D/292 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/292 dated 22 June 1999
Technical Schedule No 6/4D/292 dated 22 June 1999 (incl. Test Procedure)
Figures 1 and 2 dated 22 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.



TECHNICAL SCHEDULE No 6/4D/292

Pattern: Espera-Werke Model ES 300 Multi-interval Price-labelling Weighing Instrument.

Submittor: Espera-Werke GmbH
Postfach 10 04 55
D-47004 DUISBURG
GERMANY.

1. Description of Pattern

An Espera-Werke model ES 300 multi-interval price-labelling weighing instrument (Figure 1) with a verification scale interval (e_1) of 0.001 kg up to 3 kg, a verification scale interval (e_2) of 0.002 kg from 3 kg up to 6 kg, and a verification scale interval (e_3) of 0.005 kg from 6 kg up to the maximum capacity of 12 kg.

Instruments are comprised of a model ESW303 basework, a model ESC 903 indicator and a model ESD 103 printer.

Instruments have unit price to \$999.99/kg and total price to \$999.99 and are fitted with a price look up (PLU) facility.

Instruments shall only be used for producing labels to be applied to pre-packed articles. Only mass and unit price values are displayed; the total price is printed but not displayed.

Instruments may also produce item totals which are not for trade use.

Instruments may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

1.1 Zero

Instruments may be fitted with an automatic zero setting device which sets zero to within $\pm 0.25 e_1$ whenever the instrument comes to rest more than $0.5e_1$ below zero.

The zero-tracking device automatically corrects zero to within $\pm 0.25 e_1$ whenever the instrument comes to rest within $\pm 0.5e_1$ of zero.

The initial zero-setting device has a nominal range of not more than 20% of the maximum capacity of the instrument.

The instrument has a semi-automatic zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

1.2 Tare

A semi-automatic and/or a preset subtractive taring device, each of up to 2 kg maximum capacity, may be fitted.

1.3 Additional Basework

Instruments may include an additional model ESW303 basework, however only one basework may be selected for weighing at any one time. The basework may be activated either via the PLU facility or via selection of a basework number during the labelling process. The basework selected may be identified on the screen.

1.4 Display Check

A display check is initiated whenever power is applied.

1.5 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

1.6 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of the sealing plate provided on the underside of the basework (Figure 2).

1.7 Levelling

Instruments are provided with adjustable feet and a level indicator. Adjacent to the level indicator is a notice stating 'instrument must be level when in use', or similar wording.

1.8 Markings and Notices

(a) Instruments carry the following markings, in the form shown at right:

Manufacturer's mark, or name written in full	Espera-Werke GmbH
Indication of accuracy class	Ⓜ
Maximum capacity	Max / / kg *
Minimum capacity	Min kg *
Verification scale interval	e = / / kg *
Maximum subtractive tare	T = - kg
Serial number of the instrument
Pattern approval mark for the instrument	NSC No 6/4D/292

- These markings shall also be shown near the display of the result if they are not already located there.

(b) Instruments carry a notice stating FOR PRICE-LABELLING USE ONLY, or FOR PRE-PACKAGING USE ONLY, or similar wording.

2. Description of Variant 1

With the basework(s) of the pattern replaced by any of the baseworks listed in Table 1.

All instruments may be fitted with a semi-automatic and/or a preset subtractive taring device, each of up to 2 kg maximum capacity.

TABLE 1

Model Number	Verification Scale Intervals	Weighing Ranges
ESW313	1/2/5 g	3/6/8 kg
ESW323	1/2/5 g	3/6/12 kg
ESW333 (*)	2 g	6 kg
ESW333 (*)	1/2 g	3/6 kg
ESW403	5/10/20 g	15/30/60 kg
ESW413	5/10/20 g	15/30/60 kg
ESW423	5/10/20 g	15/30/60 kg

(*) The model ESW333 is approved as either a single interval basework or as a multi-interval basework having two intervals.

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Inspector's Handbook.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, m , expressed in verification scale intervals, e , are:

- $\pm 0.5 e$ for loads $0 \leq m \leq 500$;
- $\pm 1.0 e$ for loads $500 < m \leq 2\,000$; and
- $\pm 1.5 e$ for loads $2\,000 < m \leq 10\,000$.

For multi-interval instruments with verification scale intervals of e_1, e_2, \dots , apply e_1 for zero adjustment, and for maximum permissible errors apply e_1, e_2, \dots , as applicable for the load.



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Notification of Change
Certificate of Approval No 6/4D/292
Change No 1

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

The following change is made to the approval documentation for the

Espera-Werke Model ES 300 Price-labelling Weighing Instrument

submitted by Espera-Werke GmbH
 Postfach 10 04 55
 D-47004 DUISBURG
 GERMANY.

In Certificate of Approval No 6/4D/292 dated 22 June 1999, the Condition of Approval referring to the review of the approval should be amended to read:

“This approval becomes subject to review on 1 December 2008, and then every 5 years thereafter.”

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

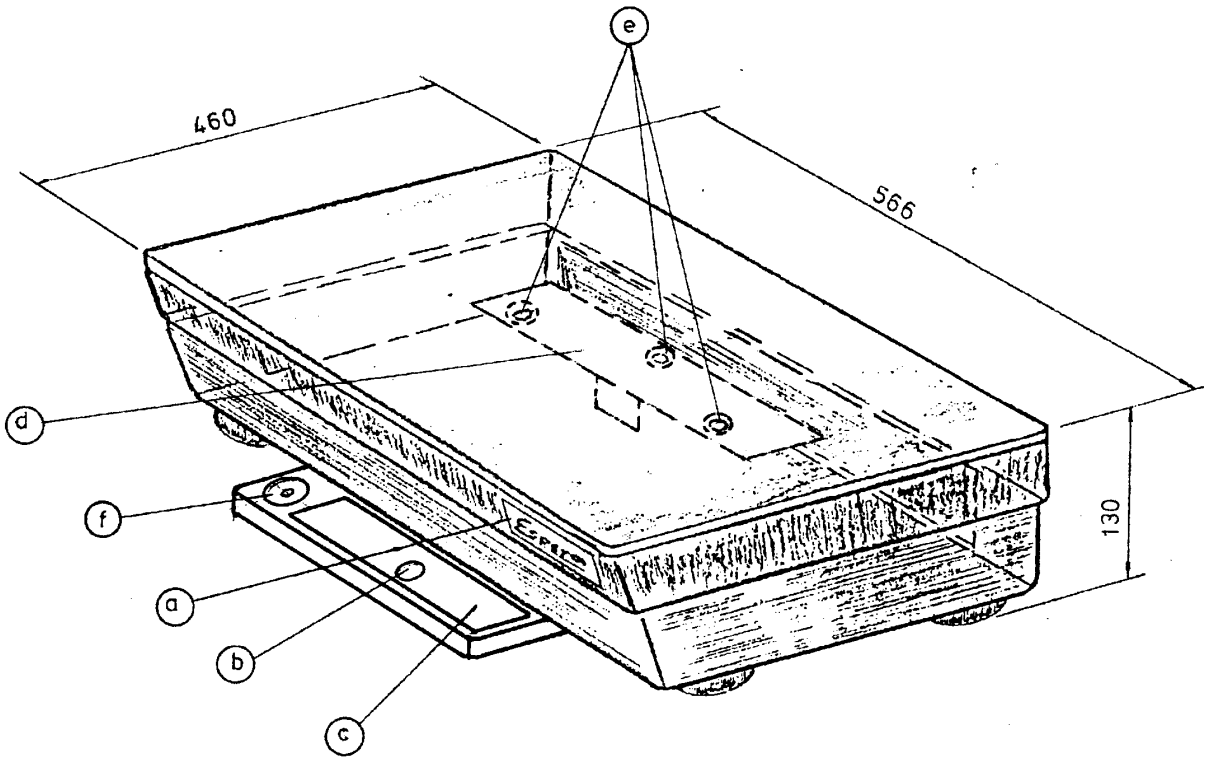
A handwritten signature in black ink, appearing to be 'J. H. T.', written in a cursive style.

FIGURE 6/4D/292 - 1



Espera-Werke Model ES 300 Weighing Instrument

FIGURE 6/4D/292 - 2



- a = name plate
- b = verification/certification provision
- c = designation plate
- d = sealing plate
- e = seals
- f = level indicator

Showing Sealing Method, etc.