



NATIONAL STANDARDS COMMISSION

WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4D/221

CANCELLED

This is to certify that an approval has been granted by the Commission that the pattern of the

0/1

TEC Model SL36-08 Weighing Instrument

submitted by Mauri Industrial Group
1 Alice Street
Newtown, New South Wales, 2042

on behalf of Tokyo Electric Company Ltd
14-10, 1-Chome, Uchi-kanda
Chiyoda-Ku
TOKYO, 101, JAPAN

is suitable for use for trade.

The approval is subject to review on or after 1/6/88.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/221.

Relevant drawings and specifications are lodged with the Commission.

Signed

Acting Executive Director

Descriptive Advice

Pattern: approved 2/5/83

- . A self-indicating price-computing weighing instrument of 7.5 kg capacity by 0.005 kg scale intervals with unit price to \$99.99/kg and price to \$749.93.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/4D/221 dated 19/5/83
Technical Schedule No 6/4D/221 dated 19/5/83
Test Procedure No 6/4D/221 dated 19/5/83 (including Table 1)
Figures 1 and 2 dated 19/5/83.

19/5/83



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/221

Pattern: TEC Model SL36-08 Weighing Instrument

Submitter: Mauri Industrial Group
1 Alice Street
Newtown, New South Wales, 2042.

1. Description of Pattern

The pattern is a self-indicating price-computing weighing instrument (Figures 1 and 2).

Capacity	7.5 kg
Scale interval	0.005 kg
Unit price	\$99.99/kg in 1c increments
Price	\$749.93 in 1c increments.

1.1 Zero

The instrument is automatically set to zero within 0.25e when the pushbutton marked ZERO or Z is pressed.

1.2 Automatic Zero-correction Device

This device re-zeroes the instrument within 0.25e whenever the mass indicator indicates zero.

1.3 Display Check

When power is applied to the instrument a display check is initiated following which all displays will blank until the ZERO push-button is pressed.

1.4 'S' Button

Use of this button allows the unit price to be retained or cleared.

1.5 Clear

Pressing the button marked C will clear the unit price and price displays.

1.6 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark	Tokyo Electric Co. Ltd.
Serial number
NSC approval number	NSC No 6/4D/221
Accuracy class	III
Maximum capacity	Max 7.5 kg*
Minimum capacity	Min 0.1 kg*
Verification scale interval	e = d = 0.005 kg*

1.7 Provision for Verification

A stamping plug is provided.

1.8 Levelling

The instrument is fitted with a level indicator and adjustable feet. A notice advising that the instrument must be level when in use, is located adjacent to level indicator.

*These markings are repeated in the vicinity of each reading face.

19/5/83

TEST PROCEDURE No 6/4D/221

All load applications to the instrument should be in accordance with the Commission's recommended testing procedure for the elimination of rounding error as set out in Document 104.

The maximum permissible errors are:

- $\pm 0.5e$ for loads between 0 and 500e;
- $\pm 1.0e$ for loads between 501e and 2000e; and
- $\pm 1.5e$ for loads above 2000e.

1. Zero Range

The maximum range of the zero setting device should not exceed 4% of the maximum capacity ($\pm 2\%$ approximately). Satisfactory setting may be checked by the following method:

With zero balance indicated, apply a load of, say, 2.5% of maximum capacity to the instrument; it should not be possible to obtain zero by means of the zero adjustment.

2. Zero Test

- (a) Check by means of Document 104 that when the ZERO light illuminates, zero is set within 0.25e.
- (b) As the automatic device resets zero when the weighing mechanism is in equilibrium within 0.5e of zero, zero should be checked as described in Document 104, with a load equal to, say, 10e on the load receptor. The indications with 0.25e and 0.75e additional mass on the load receptor will then be 10e and 11e respectively.

3. Range of Indication

- (a) The maximum mass indicated should not exceed the maximum capacity (Max) by more than 10 scale intervals; above this indicated mass the indication should be blank.
- (b) The minimum mass indicated should be zero; below this the indication should be blank.

4. Load Test

Test loads are to be applied to the weighing instrument increasing in not less than 5 approximately equal steps to maximum capacity, followed by decreasing loads in not less than 5 approximately equal steps to zero load.

5. Price-computing Accuracy

The indications of mass, unit price and price listed in Table 1 will indicate that the price-computing and mass circuits are functioning correctly. The figures should be indicated exactly as in the table, as rounding is effected within the computer.

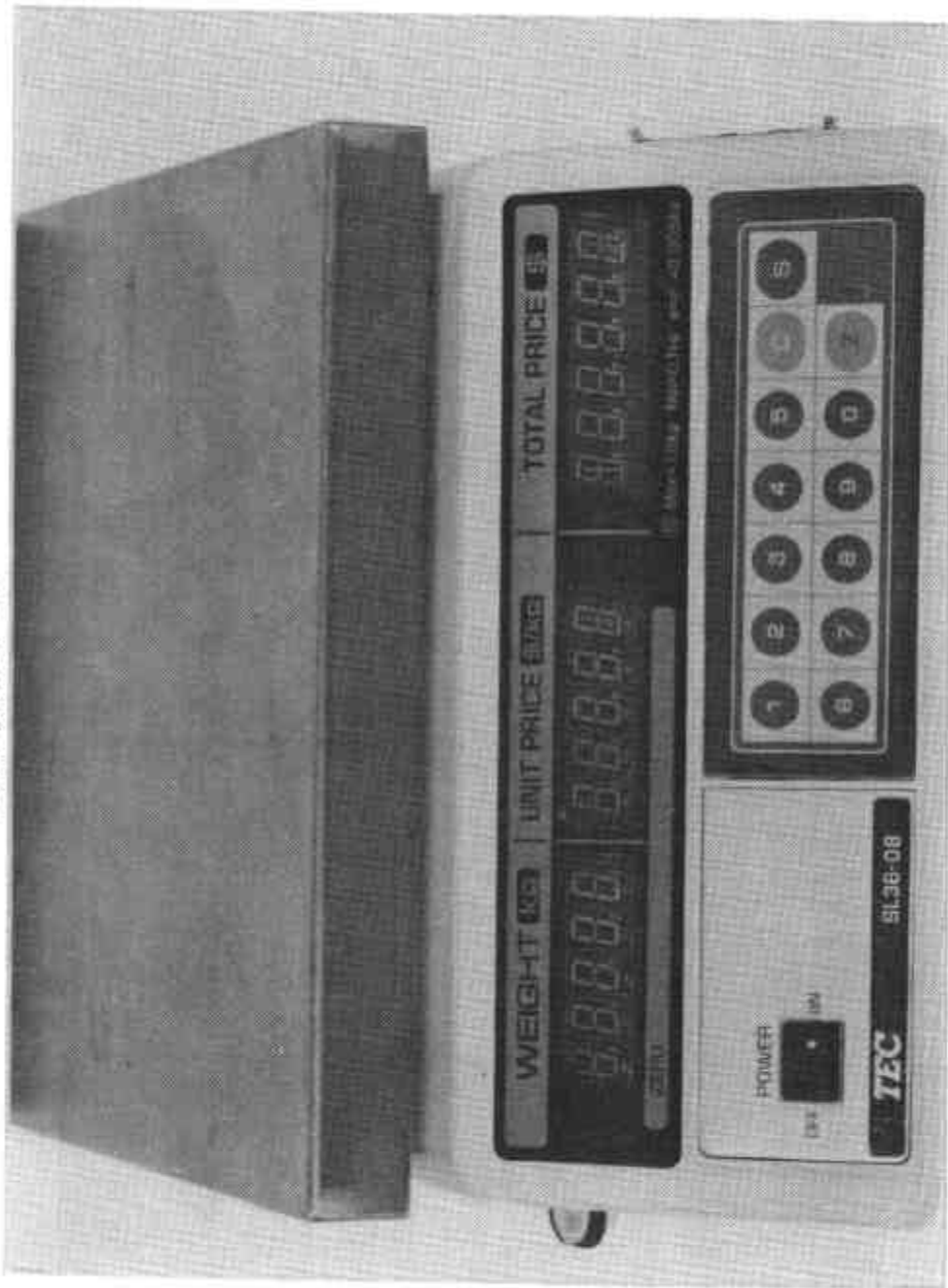
Note: This test does not establish correct mass indication; a separate load test in accordance with Document 104 is necessary. This may be carried out in conjunction with the above test.

TABLE 1

<u>Indicated Mass</u>	<u>Unit Price</u>	<u>Price</u>
kg	\$/kg	\$
0.100	9.99	10.00
0.190	49.49	9.40
0.900	70.99	63.89
4.000	96.99	387.96
7.500	99.98	749.85

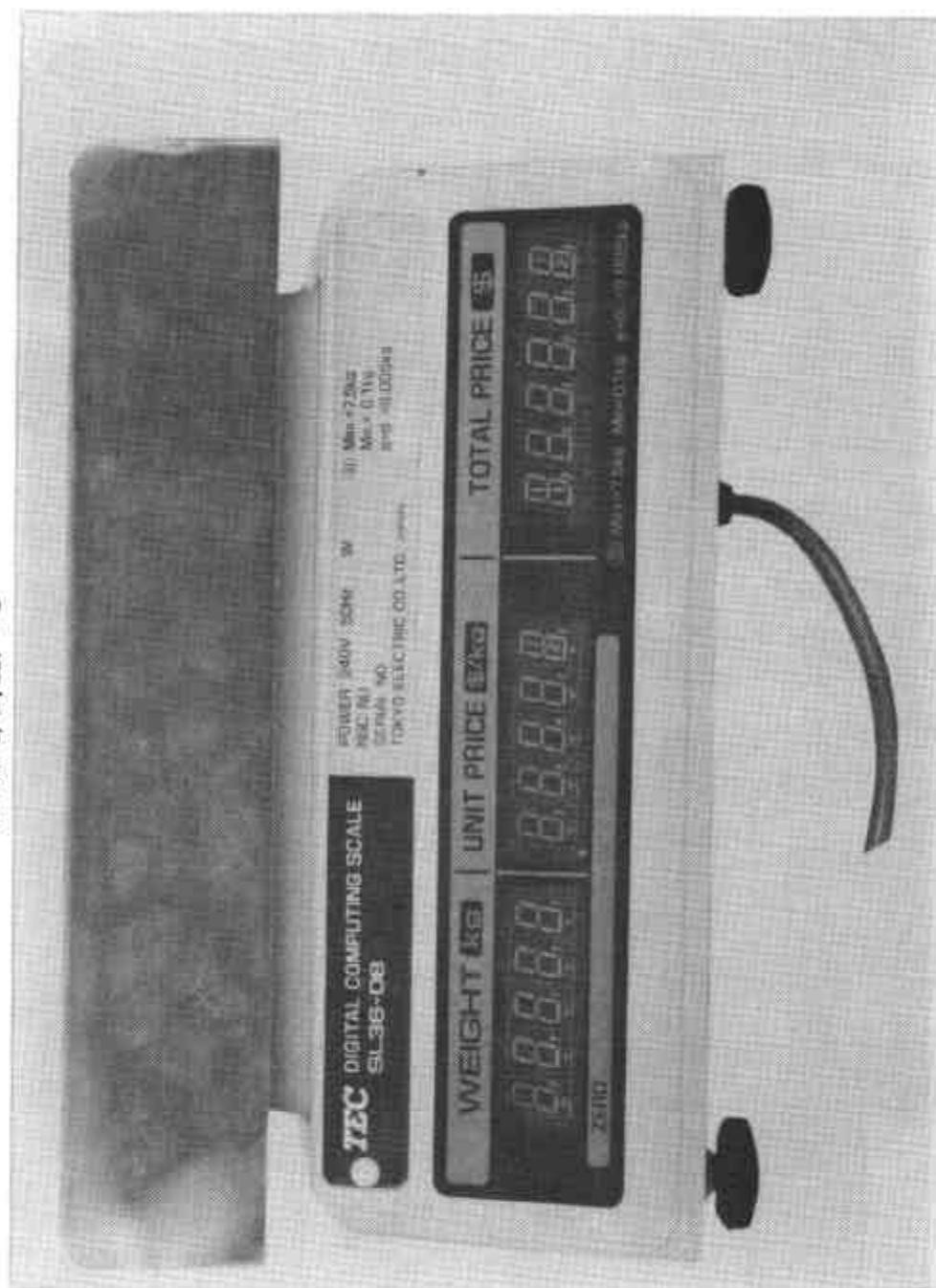
Price-computing Table - 7.5 kg Instrument With 0.005 kg Scale Intervals

FIGURE 6/40/221 - 1



TEC Model SL36-08 - Vendors' View

FIGURE 6/40/221 - 2



TEC Model SL36-08 - Purchasers' View