

National Standards Commission



Certificate of Approval No 6/4D/257

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

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

Anritsu Model K584D Weighing Instrument

submitted by Walls Machinery Pty Ltd
Cnr South & John Streets
Rydalmere NSW 2116.

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.

A handwritten signature in black ink, appearing to read 'J. Birch', is written over a faint circular stamp.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/2/95.
This approval expires in respect of new instruments on 1/2/96.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/257 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 drawings and specifications 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 Certificates Nos S1/0 and/or S2/0, as appropriate.

Special: (for Provisional variant 2)

This approval is subject to review on or after 1/2/91.
This approval expires in respect of new instruments on 1/2/92.

Instruments purporting to comply with this approval shall be marked NSC No P6/4D/257 and only by persons authorised by the submitter.

The submitter shall notify the Commission prior to installation of each instrument.

DESCRIPTIVE ADVICE

Pattern: approved 2/1/90

- An Anritsu model K584D self-indicating dual-range price-computing weighing and label printing Instrument of 6 kg maximum capacity.

Variant: approved 2/1/90

1. As a single-range Instrument of 3 kg maximum capacity.

Variant: provisionally approved 2/1/90

2. Model K587DS which is similar to variant 1 but does not weigh dynamically.

Technical Schedule No 6/4D/257 describes the pattern and variants 1 and 2.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/257 dated 6/4/90
Technical Schedule No 6/4D/257 dated 6/4/90
Test Procedure No 6/4D/257 dated 6/4/90
Figures 1 and 2 dated 6/4/90



National Standards Commission

TECHNICAL SCHEDULE No 6/4D/257

Pattern: Anritsu Model K584D Weighing Instrument.

Submittor: Walls Machinery Pty Ltd
Cnr South & John Streets
Rydalmere NSW 2116.

1. Description of Pattern

An Anritsu model K584D dual-range self-indicating price-computing weighing and labelling instrument (Figures 1 and 2) of 3 kg capacity with a verification scale interval of 0.002 kg (low range) and 6 kg capacity with a verification scale interval of 0.005 kg (high range).

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

1.1 Measuring Range

The measuring range is preset by the operator before weighing is commenced and remains in that range until the alternate range is selected. The range selected is indicated by the illumination of a light in the appropriate button.

1.2 Zero

Zero is automatically corrected to within $\pm 0.25e$ whenever the instrument comes to rest within $0.5e$ of zero. If the instrument comes to rest outside that range but within the zero reset range, zero is reset whenever the zero button is pressed. The zero light is illuminated whenever zero is within $\pm 0.25e$.

1.3 Display Check

A display check is initiated whenever power is applied to the instrument or by operating the RESET button located on the side of the indicator.

1.4 Tare

Instruments may be fitted with a non-automatic taring device of up to 998 g capacity (low range) or 995 g capacity (high range). Any of the PLU entries may be stored with the tare mass selected being displayed on a tare mass indicator.

1.5 Levelling

Instruments are provided with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.6 Verification Provision

Provision is made for a verification mark to be applied.

1.7 Fixed Weight

When the key marked FIXED WT is selected the weighing function is disabled and the labels will be printed with a constant weight.

1.8 Markings

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

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4D/257
Accuracy class	III
For each range:	
Maximum capacity	Max..... kg *
Minimum capacity	Min..... kg *
Verification scale interval	e = d =..... kg *
Maximum subtractive tare	T = -..... g

* These markings are repeated adjacent to each reading face.

Instruments shall be marked NOT FOR RETAIL COUNTER USE, NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

1.9 Dynamic Operation

(a) Operation in Low Range

When operating in the 3 kg maximum capacity range, the instrument may be used at HIGH or LOW speed with packages of up to approximately 250 mm x 250 mm.

(b) Operation in High Range

When operating in the 6 kg maximum capacity range, the instrument may be used at LOW speed only, with packages of up to approximately 250 mm x 250 mm.

2. Description of Variants

2.1 Variant 1

As a single-range instrument of 3 kg maximum capacity, and known as a model K584D Economy Type.

2.2 Variant 2

Model K587DS which is similar to variant 1, however the instrument does not weigh dynamically (i.e. the packages stop while on the load receptor).

Packages used may be of up to approximately 210 mm x 280 mm.

TEST PROCEDURE

Instruments should be tested in conjunction 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, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within $\pm 0.25e$ at no load, are:

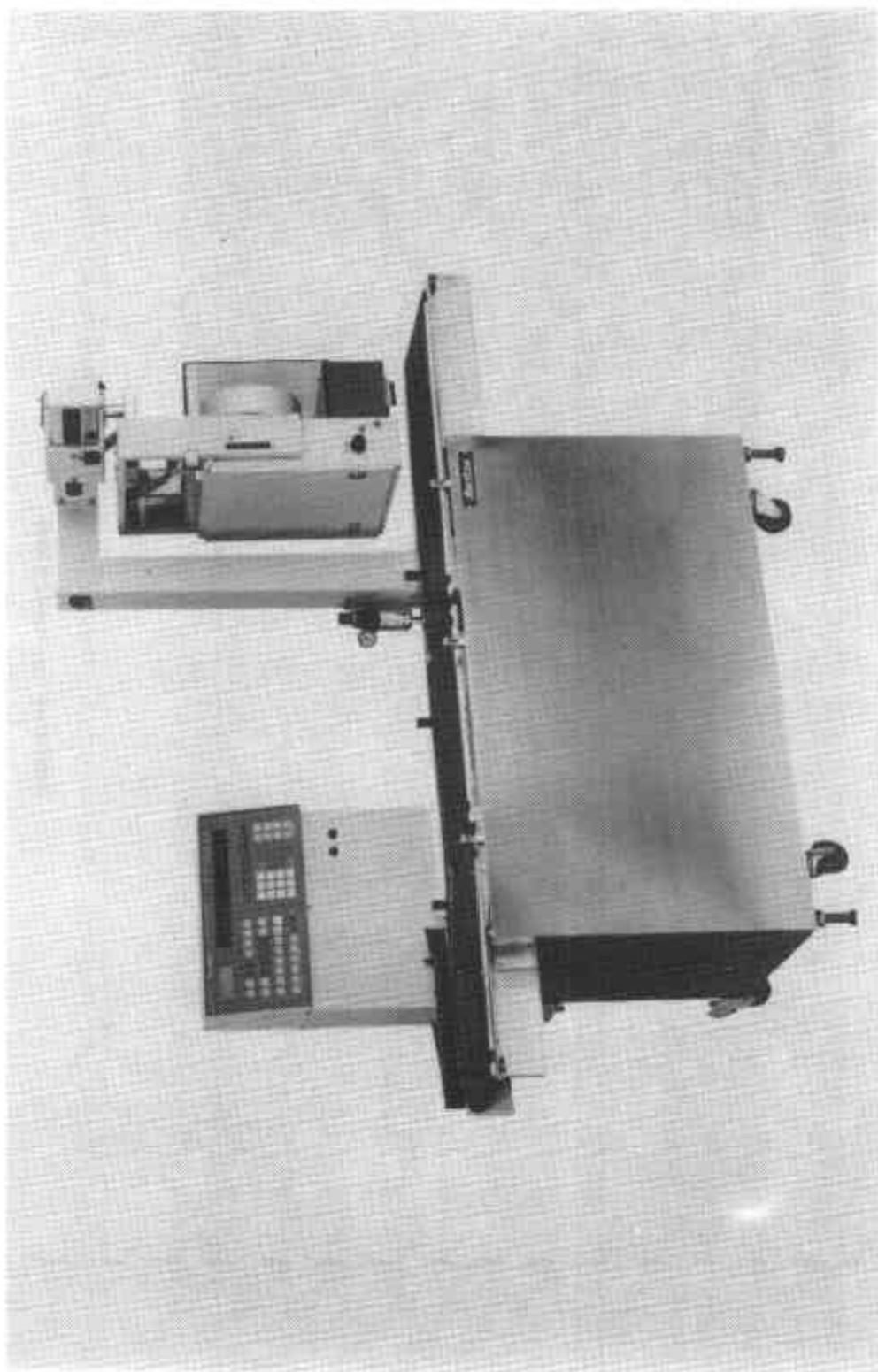
- $\pm 0.5e$ for loads from 0 to 500e;
- $\pm 1.0e$ for loads over 500e up to 2 000e; and
- $\pm 1.5e$ for loads over 2 000e.

Dynamic Load Test

As for a normal static load test, however particular attention should be paid to the test method described in Document 104 as methods involving the finding of a changeover point cannot be employed. For the application of these tests sample packages may be required which should be adjusted to the masses required by Document 104.

6/40/257
6/4/90

Figure 6/40/257 - 1



Anritsu Model K584D

