NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/9C/93

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

Yamato Model BD100A Weighing Instrument

submitted by Yamato Scale (Australia) Pty Ltd

on behalf of Yamato Scale Co Ltd
5-22 Chaemba-cho
Akashi 673 JAPAN

is suitable for use for trade.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/7/90.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/93.

This approval may be withdrawn if instruments are constructed and used other than in accordance with the drawings and specifications lodged with the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 21/6/85

- Yamato model BD100A dial platform weighing instrument of up to 100 kg maximum capacity with 0.2 kg scale intervals.

Technical Schedule No 6/9C/93 describes the pattern.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/9C/93 dated 16/8/85
Technical Schedule No 6/9C/93 dated 16/8/85
Test Procedure No 6/9C/93 dated 16/8/85
Figures 1 and 2 dated 16/8/85

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9C/93

Pattern: Yamato Model BD100A Weighing Instrument

Submittor: Yamato Scale (Australia) Pty Ltd
16 Gertrude Street
Arncliffe NSW 2205

1. Description of Pattern

A self-indicating platform weighing instrument (Figure 1) of up to 100 kg capacity with 0.2 kg scale intervals.

1.1 Headwork

A spring-resistant mechanism having air dashpots and connected to a single-sided dial indicator approved for use with up to 500 scale intervals.

1.2 Basework

The basework (Figure 2) comprises a load receptor fitted with self-aligning bearings, supported on two main levers, one of which connects to the pullrod. The main levers are suspended by swinging links from the frame. The basework is fitted with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.3 Markings

The instrument is marked with the following data, together in one location:

Manufacturer's name or mark	
Serial number of instrument	
NSC approval number	NSC No 6/9C/93
Accuracy class	(III)
Maximum capacity in the form	Max ..... kg*
Minimum capacity in the form	Min ..... kg*
Verification scale interval in the form	e = d = ... kg*

The instrument is also marked NOT FOR RETAIL COUNTER USE and INSTRUMENT MUST BE LEVEL WHEN IN USE.

1.4 Verification Mark

Provision is made for a verification mark to be applied.

TEST PROCEDURE No 6/9C/93

The maximum permissible errors are set out in Document 118.

1. Zero Range

Check that the range of zero adjustment is not more than 4% of the maximum capacity (± 2% approximately). With zero balance indicated, apply a load of, say, 2.5% of maximum capacity to the instrument and adjust the zero control; the instrument should not rezero.

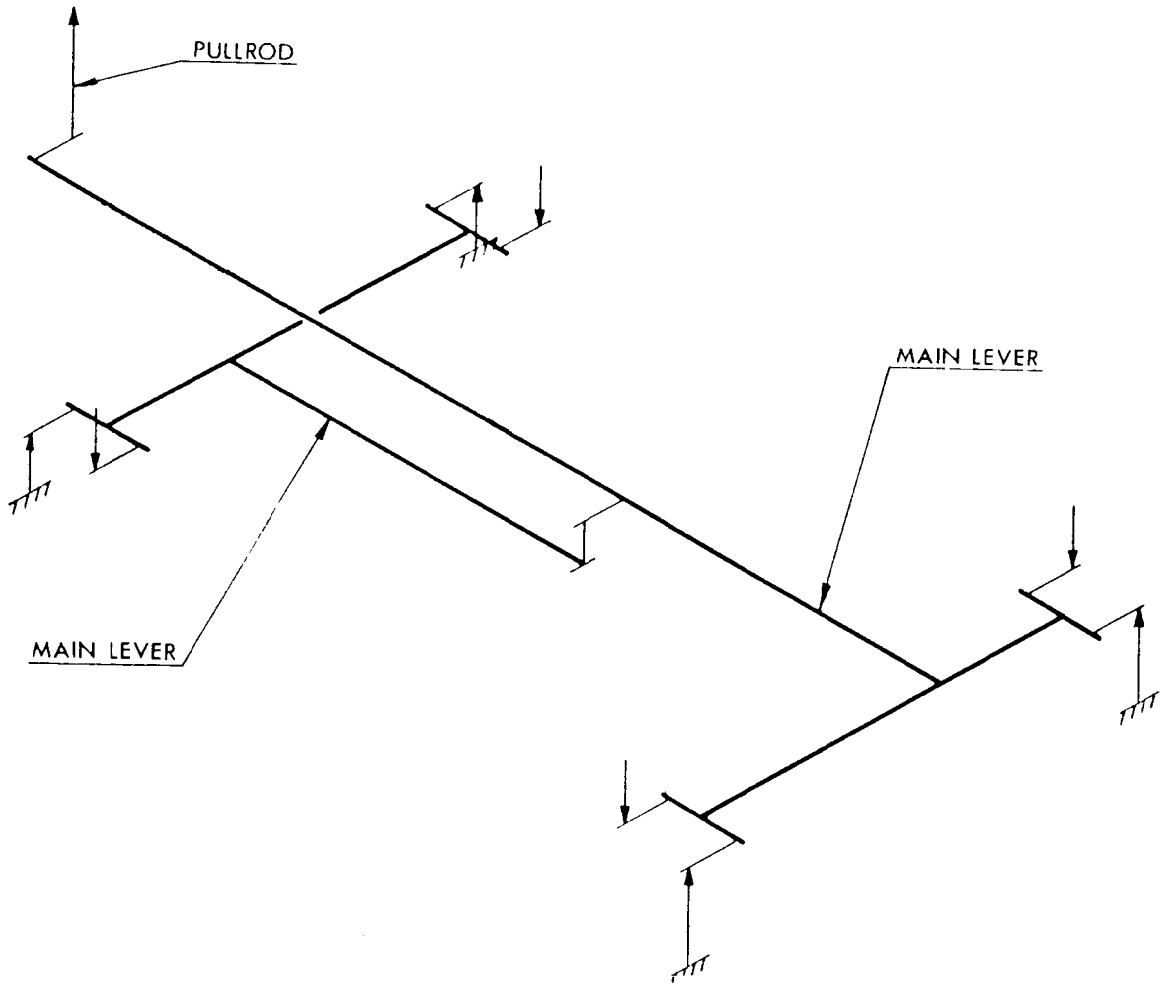
2. Test Loads

Test loads are to be applied to the complete 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.

FIGURE 6/9C/93 - 1

Yamato BD100A

FIGURE 6/9C/93 - 2



Lever Diagram