



NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S238

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

Bizerba Model MCI-Z Digital Indicator

submitted by Selby Anax
352-368 Ferntree Gully Road
Notting Hill VIC 3168.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/4/93.
This approval expires in respect of new instruments on 1/4/94.

Instruments purporting to comply with this approval shall be marked NSC No S238.

This approval may be withdrawn if instruments are constructed other than in accordance with the drawings and specifications lodged with the Commission.

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

The values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating this indicator shall be within the limits specified in this approval or in any approval documentation for the other components.

Signed

Executive Director

Descriptive Advice

Pattern: approved 25/3/88

- A Bizerba model MCI-Z digital mass indicator.

Variants: approved 25/3/88

1. In an "explosion-proof" housing and known as a model MCI-Z-EX.
2. Without the counting function keys and/or the alpha keys.

Technical Schedule No S238 describes the pattern and variants.

Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S238 dated 8/7/88
Technical Schedule No S238 dated 8/7/88 (incl. Test Procedure)
Figure 1 dated 8/7/88



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S238

Pattern: Bizerba Model MCI-Z Digital Indicator.

Submitter: Selby Anax
352-368 Ferntree Gully Road
Notting Hill VIC 3168.

1. Description of Pattern

A digital mass indicator (Figure 1) approved for use with up to 6 000 verification scale intervals. Provision is made for the connection of up to 2 baseworks and/or a Commission-approved Sartorius weighing instrument.

The indicator incorporates a fixed single-point linearisation facility and may be used with Commission-approved Bizerba load cells requiring linearisation. The indicator may also be fitted with output sockets for the connection of auxiliary and/or peripheral devices.

1.1 Zero

Zero is automatically set to within $\pm 0.25e$ whenever the instrument comes to rest within $\pm 0.5e$. If the instrument comes to rest outside that range but within the zero setting range, zero may be set by pressing the zero button.

1.2 Display Check

A display check is initiated whenever power is applied to the instrument or when the test button is pressed.

1.3 Tare

The instrument has both semi-automatic and keyboard-entered non-automatic tare of up to maximum capacity. Provision is made for storing up to 10 tares, acquired by either method. Tare may be cleared by the button marked "TL".

When in "Scale 3" mode the "T" button may be used as a remote switch for the bar marked "T" on any Sartorius weighing instrument connected. All other tare related buttons on the indicator shall have no effect on the Sartorius instrument.

1.4 Peripheral Functions

The instrument has various peripheral functions including counting. The counting function is displayed on a secondary display. This lower display shall be differentiated from the primary display and marked LOWER DISPLAY NOT FOR TRADE USE.

When in "Scale 3" mode the indicator is an auxiliary display for any Sartorius instrument to which it is connected.

1.5 Verification Provision

Provision is made for a verification mark to be applied.

1.6 Markings

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

Manufacturer's name or mark	
Serial number	
Accuracy class	(III)
Scale 1: (similarly for Scales 2 and 3)	
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = d = ... kg *
Maximum subtractive tare	T = - kg
NSC approval numbers - Indicator	NSC No S238
Other components (where applicable)	... #
Load cell serial number(s)	... #

- * These markings are repeated in the vicinity of each reading face.
- # These may be located separately from the other markings.

In addition, the instrument shall be marked NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC and LOWER DISPLAY NOT FOR TRADE USE.

2. Description of Variants

2.1 Variant 1

With the model MCI-Z indicator enclosed in an "explosion-proof" housing and known as the model MCI-Z-EX.

2.2 Variant 2

With the counting function keys and/or the alpha-keys removed from the keyboard.

TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the weighing instrument to which this indicator is connected, and in accordance with any relevant tests specified in the Inspector's Handbook.

The results shall not exceed the maximum permissible errors specified in Document 118, 2nd Edition, October 1986.

FIGURE S238 - 1



Bizerba MCI-Z Indicator