



**Ministry of Business,
Innovation & Employment**

Wellington, New Zealand

CERTIFICATE OF APPROVAL

Weights and Measures Regulations 1999 Part 1 Regulations 5 and 6

Current Date of Issue: 21 May 2016
Original Date of Issue: 23 August 2004

Certificate 1766

Overseas Certificate No: DK 0199.R60.4

This certifies that the AVERY WEIGH-TRONIX BRIDGEMONT BMS, Weighing Instrument described overleaf has been approved as suitable for trade use subject to any conditions stated in the schedule:

Avery Weigh-Tronix Model Bridgemont BMS, weighbridge



S R Bobbala

J P Crane

Under delegated authority from the Chief Executive of The Ministry of Economic Development

Note: This is not an approval to any person but only with respect to the type and pattern of weight, measure, or weighing or measuring instrument.

SCHEDULE

Pattern:	Weighing Instrument
Make:	AVERY WEIGH-TRONIX
Model:	BRIDGEMONT BMS
Manufacturer:	Avery Weigh-Tronix Ltd, West Midlands, United Kingdom.
Submitter:	Gilbarco (NZ) Limited, New Zealand Head Office
Maximum Capacity (Max):	60 000 kg (n = 5000)Max
Minimum Capacity:	20e
Verification Scale Interval:	0.020 kg
Class:	III
Load Receptors:	21 m x 3 m
Conditions of Approval:	<ol style="list-style-type: none">1. The number of verification scale intervals applicable to a complete weighing instrument which includes this pattern, shall not exceed the smaller of:<ol style="list-style-type: none">i) the number of verification scale intervals approved for the indicator.ii) the number of verification scale intervals approved for this basework.2. The temperature range applicable to a complete weighing instrument which includes this pattern, shall not exceed the smaller of:<ol style="list-style-type: none">i) the temperature range approved for the indicator.ii) the temperature range approved for this basework3. The number of verification scale intervals applicable to an instrument which includes this indicator shall not exceed 3000 when the instrument is installed:<ol style="list-style-type: none">i) with the whole instrument outdoorsii) with the basework outdoors4. The approved indicator must be positioned so that the operator can see the load receptor and the indicator during the weighing procedure.
Description:	

Amend to read n=3000 Max

The Avery Weigh-Tronix Model Bridgemont BMS Weighing Instrument of 60 000 kg x 20 kg (n = 5000) maximum capacity.

Amend to read n=3000 Max

The load receptor is of an all steel design and can be pit or surface mounted. The instrument is modular with a main module of 7m x 3m and uses 4 x Avery Weigh-Tronix model WBP Weigh Bar type Load Cells, with two 'Adder Modules' of 7m x 3m with two WBP load cells in each module.

The instrument may also use the Avery Weigh-Tronix model WBL load cell which is of a slightly different design, as shown in the following photographs.

The load receptor can also have standard modules of 6m, 7m, 7.5m, 8m or 9m length with standard module widths of 3m, 3.5m or 3.65m.

The load receptor may be used with any approved, compatible indicator

PLEASE NOTE

1. The pattern submitted is as described in drawings and specifications as deposited at the Measurement and Product Safety Office, 91 Nelson Street, Petone.
2. This certificate allows the use for trade purposes of the pattern described herein, however it does not of itself confer any rights of manufacture.

METROLOGICAL MARKINGS

A plate, which carries the metrological markings, is affixed to the side of the instrument.

Manufacturer' name	.....
Serial number	.....
Accuracy class	.....
Pattern approval No	MCA 1766
Max cap*	.....
Temperature limits	-10°C to +40 °C
Min cap*	.....
Verification scale interval*	.....
for each range: e =	.....
Tare capacity*	.....

* These markings shall also be shown near the display.

The markings below are to be affixed to the load cell.

Manufacturer's name	.....
Model number	.....
Serial number	.....
Pattern approval number	.....
Maximum capacity Emax	.....
Class	.....

Components:	8 x Avery Weigh-Tronix WBP Load Cells
Sealing:	As required on the approved indicator
Levelling:	The load receptor is installed in a level condition
Temperature:	-10°C to +40 °C

Avery Weigh-Tronix Models WBP and WBL Load Cells

Classification	C3	C4	C5	C6	C7
Maximum number of LC verification intervals	n_{max} 3000	4000	5000	6000	7000
Maximum capacities	E_{max} 220 to 34000 500 to 75000			220 to 5000 500 to 10000	
Minimum LC verification Intervals	V_{min}	E max / 10 000			
Minimum dead load output Return (% of E_{max})	MDLOR	0.006			

Minimum dead load: 2% of E_{max}

Safe load limit: 200% of Max