

CRC

WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CANCELLED

This is to certify that the approval of the pattern and Variant 1 of the 0/1

Avery Weighing Instrument Model 1750*

submitted by Avery Australia Ltd, 3–5 Birmingham Avenue, Villawood, New South Wales, 2163,

has been withdrown.

The approval of variants 2 to 14 is subject to review on or after 1/6/82.

All instruments purporting to comply with this approval shall be marked NSC No 6/4D/28.

Relevant drawings and specifications are lodged with the Commission.

Conditions of Approval

New instruments conforming to the pattern or variant 1 are no longer acceptable for verification; however the existing verified instruments may be modified in accordance with variants 2 to 14.

Signed

Executive Director

Descriptive Advice

Pattern: approved 15/10/73 withdrawn 7/5/81

> A self-indicating price-computing weighing instrument of 4.995 kg capacity by 5 g scale intervals, with price computing in 1c increments to \$9.99/kg and price to \$49.99.

Variants

1. Of 9.99 kg capacity by 10 g scale intervals, price to \$99.80. (approval withdrawn 7/5/81)

Technical Schedule No 6/4D/28 dated 28/12/73 describes the pattern and variant 1.

* Known as 1750 Mk I since the approval of Model 1750 Mk II, Certificate of Approval No 6/4D/72.

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Certificate of Approval No 6/4D/28

With semi-automatic taring device. 2. Technical Schedule No 6/4D/28 Variation 1 dated 28/12/73 describes variant 2. Without auxiliary zero indicator. 3. Technical Schedule No 6/4D/28 Variation 2 dated 29/3/74 describes variant 3. As a prepackaging weighing instrument with Avery printer C420 or C430. 4. As a retail weighing instrument with Avery printer C420 or C430. 5. Technical Schedule No 6/4D/28 Variation 3 dated 27/6/80 describes variants 4 and 5. Variant 4 with Avery printer 8664 in place of printer C420 or C430. 6. Technical Schedule No 6/4D/28 Variation 4 dated 1/6/76 describes variant 6. The Avery 8664 printer with micro-processors and large-scale integrated 7. circuits. No Technical Schedule was issued for variant 7. Variant 4 with Avery printer C431 in place of printer C420 or C430. 8. Variant 5 with Avery printer C431 in place of printer C420 or C430. 9. Technical Schedule No 6/4D/28 Variation 5 dated 27/6/80 describes variants 8 and 9. 10. With remote purchaser's indicator. With unit price in 1c increments to \$99.99/kg and price to \$999.90. 11. 17/12/76 6/4D/28 Variation 6 dated describes Technical Schedule No variants 10 and 11. Without price computing. 12. With no indications on weighing unit and with remote weight indicator. 13. 6/4D/28 Variation 7 dated 31/5/77 describes No Technical Schedule variants 12 and 13. Variants 4 and 5 with Avery printer C421 RLD in place of printer C420 or 14. C430. (approved 7/5/81) Technical Schedule No 6/4D/28 Variation 8 dated 5/6/81 describes variant 14.

Filing Advice

Certificates of Approval No 6/4D/28 dated 11/12/73, 19/3/74, 29/4/76, 1/6/76, 9/11/77, 21/9/76, 17/12/76 and 31/5/77 are superseded by this Certificate and may be destroyed.

Technical Schedule No 6/4D/28 dated 28/12/73 and all of its Variations listed above form part of this approval and should be retained.

Note: Inspectors verifying instruments purporting to comply with Variant 14 of this approval should note that the figures referred to in Variation No 8, which describes this variant, are a part of Technical Schedule No 6/4D/72.

5/6/81



TECHNICAL SCHEDULE No 6/4D/28

Pattern: Avery Electronic Weighing Instrument Type 1750

Submittor: Avery Australia Ltd, Villawood

Date of Approval: 15 October 1973

A. DESCRIPTION

1. The pattern (see Figures 1 and 2) is of a self-indicating price-computing weighing instrument arranged to indicate weight, unit price and price on both the vendor's side and the purchaser's side.

The load receptor is supported on a parallelogram arrangement of two upper flexure plates and one lower flexure plate. The lower flexure plate has strain gauges bonded to its upper and lower surfaces from which analogue electronic signals, proportional to the weight of the load, are transmitted to an analogue-digital converter and thence to an electronic memory. Unit prices are selected manually by depressing in sequence the appropriate keys, causing binary-coded decimal signals of unit price to be transmitted to a unit-price memory. A computer multiplies the weight by the unit price to arrive at the price.

The weight, unit price and total price are transferred in binary-coded decimal form to the display board, which converts the signals into a form suitable for energising the neon numerical indicator tubes. Zero balance is set by pressing a push-button on the vendor's side of the instrument. Lights marked "light on when ready to weigh" on both the vendor's side and the purchaser's side of the instrument indicate when the instrument is balanced.

The instrument is fitted with a level indicator and three adjustable legs.

NOTE :	This Schedule comprises Pages A1, A2 and B1 to B5 dated 28 December 1973 Figures 6/4D/28 - 1 and 2 dated 28 December 1973
	A copy of the Certificate to which this Schedule refers was issued to the Head Office of each Weights and Measures Authority and the submittor on 11 December 1973.
28/12/73	3 "This instrument can be used with peripheral equipment without affecting its operation."

2. The approval has been granted for the following weight and price ranges:

Capacity	Graduation value	Unit price range	Price range
4.995 kg	5 g	1 c/kg to 9.99 \$/kg	1c to \$49.99
9.99 kg	10 g	1 c/kg to 9.99 \$/kg	1c to \$99.80
9 lb 15% oz	¹∕ <mark>s</mark> oz	1 c/lb to 1.99 \$/lb	1c to \$19.88
19 lb 15 ³ / ₄ oz	$\frac{1}{4}$ OZ	1 c/lb to 1.99 \$/lb	1c to \$39.88

Unit prices can be selected in 1-c/kg or 1-c/lb increments; prices are indicated in 1-c increments.

Figures 1 and 2 illustrate an instrument of capacity 4.995 kg.

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1. Zero Adjustment

Β.

Set zero by pressing the button marked "press to balance" or "press to tare". The weight indicator shall indicate zero, and the light or lights marked "light on when ready to weigh" shall be illuminated.

Check that zero is set to within $\pm \frac{1}{4}$ graduation by applying the zero test described in Test 1 of Appendix 10. *

2. Uneven Platform Loading

After performing Test 1, place a load equal to half maximum capacity, twice, at the mid-point of each edge of the load receptor. Each indication of weight shall be correct, that is, at each position tested the weight indicated shall be an "accept" reading as described in Test 2 of Appendix 10. *

3. Weighing Accuracy

After performing Test 1, check the weighing accuracy by applying the test weights listed in whichever of the Tables 1 to 4 is appropriate, rounding error being eliminated by applying Tests 2 and 3 of Appendix 10. *

4. Price-computing Accuracy

The price-computing accuracy can be checked in conjunction with the weighing accuracy tests. However, it may be necessary to vary the test load for some of the acceptable weight indications to obtain the exact weight indications listed in Column 2 of Tables 1 to 4. For example, applying a load of 6.005 kg may result in an acceptable weight indication of 6.010 kg; the load must be reduced until 6.000 kg is indicated to check the price-computing accuracy.

No rounding is involved in the verification of price computations the price indications must correspond <u>exactly</u> with the values in Column 4.

^{*} See General Specifications for Measuring Instruments to be Used for Trade, 4th Edition, January 1972.

1	2	3	4
Applied	Indicated	Selected	Total
weight	weight	unit price	price
kg	kg	\$/kg	\$
0.005	0.005	9.99	0.05
0.010	0.010	9.98	0.10
0.020	0.020	9.97	0.20
0.030	0.030	9.96	0.30
0.040	0.040	9.95	0.40
0.050	0.050	9.94	0.50
0.060	0.060	9.93	0.60
0.070	0.070	9.92	0.69
0.080	0.080	9.91	0.79
0.090	0.090	9.90	0.89
0.100	0.100	1.10	0.11
0.200	0.200	2.10	0.42
0.300	0.300	3.90	1.17
0.400	0.400	4,99	2.00
0.500	0.500	5,99	3.00
0.600	0.600	6.90	4.14
0.700	0.700	7.90	5.53
0.800	0.800	8.08	6.46
0.900	0.900	9.00	8.10
1.000	1,000	7.28	7.28
2.000	2,000	9.90	19.80
2,500	2.500	9.30	23.25
3.0025	3,000	9.40	28.20
3.5025	3, 500	9,50	33.25
4.0025	4,000	9,60	38.40
4.5025	4.500	9.70	43.65
4,9925	4,990	9,80	48.90
1.0020	1.000	0.00	10,000

TABLE 1.

Test Procedure — 4.995 kg by 5 g-graduation Instrument

28/12/73

.../B3

1	2	3	4
Applied	Indicated	Selected	Total
weight	weight	unit price	price
kg	kg	\$/kg	\$
0.010	0.010	9.99	0.10
0.020	0.020	9.98	0.20
0.030	0.030	9.97	0.30
0.040	0.040	9.96	0.40
0.050	0.050	9.95	0.50
0.060	0.060	9.94	0.60
0.070	0.070	9.93	0.70
0.080	0.080	9.92	0.79
0.090	0.090	9.91	0.89
0.100	0.100	9.90	0.99
0.200	0.200	9.80	1.96
0.300	0.300	9.70	2.91
0.400	0.400	9.67	3.87
0.500	0.500	9.50	4.75
0.600	0.600	1.40	0.84
0.700	0.700	2. 31	1.62
0.800	0.800	3.22	2.58
0.900	0.900	4.10	3.69
1.000	1.000	5.03	5.03
2.000	2.000	6.00	12.00
3. 000	3.000	7.00	21.00
4.000	4.000	8.00	3 2.00
5.005	5.000	9.00	45.00
6.005	6.000	9.00	54.00
7.005	7.000	9.50	66.50
8.005	8.000	9.70	77.60
9.005	9.000	9.80	88.20
9.985	9.980	9.99	99.70

TABLE 2

Test Procedure --9.990 kg by 10 g-graduation Instrument

.../B4

Page B4

TABLE 3						
	1	2	3	4		
A w lb o	Applied veight z dr	Indicated weights lb oz	Price per lb \$	Total price \$		
$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 4 \\ 3 \\ 4 \\ 5 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 1 \\ 0 \\ 2 \\ 0 \\ 3 \\ 0 \\ 5 \\ 0 \\ 7 \\ 0 \\ 9 \\ 1 \\ 0 \\ 2 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 0 \\ 9 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 9 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	/s /s /s /s /s /s /s /s /s /s /s /s /s /	$ \begin{array}{r} 1/s \\ \frac{1}{4} \\ 3/s \\ \frac{1}{4} \\ 3/s \\ \frac{1}{4} \\ 3/s \\ \frac{1}{4} \\ 3/s \\ \frac{1}{4} \\ \frac{3}{4} \\ 7/s \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 1 \\ 0 \\ 2 \\ 0 \\ 3 \\ 0 \\ 4 \\ 0 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 1 \\ 0 \\ 2 \\ 0 \\ 3 \\ 0 \\ 4 \\ 0 \\ 5 \\ 0 \\ 6 \\ 0 \\ 7 \\ 0 \\ 8 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 9 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c} 1.99\\ 1.98\\ 1.97\\ 1.96\\ 1.95\\ 1.94\\ 1.93\\ 1.92\\ 1.91\\ 1.80\\ 1.71\\ 1.60\\ 1.50\\ 1.40\\ 1.30\\ 1.21\\ 1.15\\ 1.00\\ 1.00\\ 1.00\\ 1.00\\ 1.00\\ 1.00\\ 1.00\\ 1.99\\ 1.99\\ 1.99\end{array}$	$\begin{array}{c} 0.02\\ 0.03\\ 0.05\\ 0.06\\ 0.08\\ 0.09\\ 0.11\\ 0.12\\ 0.24\\ 0.34\\ 0.43\\ 0.50\\ 0.56\\ 0.61\\ 0.65\\ 0.68\\ 0.72\\ 1.00\\ 2.00\\ 3.00\\ 4.00\\ 5.00\\ 6.00\\ 7.00\\ 8.00\\ 17.91\\ 19.87\end{array}$		

Test Procedure – 9 lb 15% oz by $\frac{1}{6}$ oz-graduation Instrument

28/12/73

.../B5

1	2	3	4
Applied weight lb oz	Indicated weight lb oz	Price per lb \$	Total price \$
$ \begin{array}{c} \frac{1}{4} \\ \frac{1}{2} \\ \frac{3}{34} \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 2 \\ 0 \\ 3 \\ 0 \\ 4 \\ 0 \\ 5 \\ 0 \\ 6 \\ 0 \\ 7 \\ 0 \\ 8 \\ \frac{1}{8} \\ 9 \\ \frac{1}{8} \\ 9 \\ \frac{1}{8} \\ 10 \\ \frac{1}{8} \\ 15 \\ \frac{1}{8} \\ 8 \\ 9 \\ \frac{1}{8} \\ 9 \\ \frac{1}{8} \\ 15 \\ \frac{1}{8} \\ 8 \\ 15 \\ \frac{1}{8} \\ 9 \\ \frac{1}{8} \\ 15 \\ \frac{1}{8} \\ 9 \\ \frac{1}{8} \\ \frac{1}{8}$	$ \begin{array}{r} \frac{1}{4} \\ \frac{1}{2} \\ \frac{3}{34} \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 1 \\ 0 \\ 2 \\ 0 \\ 3 \\ 0 \\ 4 \\ 0 \\ 5 \\ 0 \\ 6 \\ 0 \\ 7 \\ 0 \\ 8 \\ 0 \\ 9 \\ 0 \\ 10 \\ 0 \\ 15 \\ 0 \end{array} $	$ \begin{array}{c} 1.99\\ 1.98\\ 1.98\\ 1.97\\ 1.96\\ 1.95\\ 1.94\\ 1.93\\ 1.92\\ 1.91\\ 1.80\\ 1.70\\ 1.61\\ 1.50\\ 1.47\\ 1.30\\ 1.20\\ 1.10\\ 1.10\\ 1.00\\ 1.00\\ 1.00\\ 1.00\\ 1.00\\ 1.00\\ 1.99\end{array} $	$\begin{array}{c} 0.03\\ 0.06\\ 0.09\\ 0.12\\ 0.24\\ 0.36\\ 0.48\\ 0.60\\ 0.72\\ 0.79\\ 0.85\\ 0.91\\ 0.94\\ 1.47\\ 2.60\\ 3.60\\ 4.40\\ 5.50\\ 6.00\\ 7.00\\ 8.00\\ 9.00\\ 10.00\\ 29.85\end{array}$
19 15 ⁵ /s	$19 15\frac{1}{2}$	1.99	39.74

TABLE 4

Test Procedure —					
19 lb $15\frac{3}{4}$ oz by $\frac{1}{4}$ oz-graduation I	nstrument				

Technical Schedule No 6/4D/28 - Variation 6

Indicated weight	Price per kg	Total price
kg	\$	\$
0.000	00.00	00,00
0,100	99,90	9,99
0,105	98,99	10,39
0,110	97,99	10,78
0,120	96,99	11,64
0,130	95,99	12,48
0,140	94,99	13,30
0,150	93,99	14,10
0,160	92,99	14,88
0,170	91,90	15,62
0,180	90,98	16,38
0,190	89,88	17,08
0,200	79,77	15,95
0,300	69,66	20,90
0,400	59,55	23,82
0,500	49,44	24,72
0,600	39,33	23,60
0,700	29,22	20,45
0,800	19,11	15,29
0,900	09,01	08,11
1,000	20,33	20,33
1,500	20,98	31,47
2,000	25,99	51,98
2,500	24,98	62,45
3,000	56,99	170,97
3,500	81,98	286,93
4,000	99,89	399,56
4,995	99,99	449,45

TABLE 5

Test Procedure — 4,995-kg Instrument with Unit Price to \$99,99/kg

Indicated weight	Price per kg	Total price
kg	\$	Ş
0,00	00,00	00,00
0,20	99,99	20,00
0,21	98,98	20,79
0,22	97,97	21,55
0,33	96,96	32,00
0,34	95,95	32,62
0,45	94,94	42,72
0,46	83,83	38,56
0,57	72,72	41,45
0,58	61,61	35,73
0,69	50,51	34,85
0,65	49,49	32,17
0,70	39,39	27,57
0,75	29,29	21,97
0,80	19,19	15,35
0,85	09,09	07,73
0,90	55,16	49,64
1,10	53,31	58,64
2,00	58,99	117,98
3,00	70,99	212,97
4,00	75,99	303,96
5,00	80,99	404,95
6,00	94,38	566,28
7,00	96,99	678,93
8,00	97,99	783,92
9,00	98,99	890,91
9,99	99,99	998,90

TABLE 6

Test Procedure — 9,999-kg Instrument with Unit Price to \$99,99

60



TECHNICAL SCHEDULE No 6/4D/28, VARIATION 1

Pattern: Avery Electronic Weighing Instrument Type 1750

Date of Approval of Variant: 4 December 1973

A. DESCRIPTION

An automatic taring device is fitted instead of an automatic zero-adjusting device. Taring is achieved by pressing the button marked "press to tare". The indications of weight, price, unit price and balance are displayed on the vendor's side of the instrument only. The level indicator has been relocated to the operator's side, and the instrument is marked "not for retail counter use".

B. TEST PROCEDURES

The test procedures in Technical Schedule No 6/4D/28 issued on 28 December 1973 make provision for this variant.

NOTE: This Schedule comprises Page 1 dated 28 December 1973

A copy of the Certificate to which this Schedule refers was issued to the Head Office of each Weights and Measures Authority and the submittor on 12 December 1973.



TECHNICAL SCHEDULE No 6/4D/28, VARIATION 2

Pattern: Avery Electronic Weighing Instrument Type 1750

Date of Approval of Variant: 19 March 1974

A. DESCRIPTION

The pattern is approved without the auxiliary zero indicators and the associated notices "light on when ready to weigh".

B. TEST PROCEDURES

The test procedures in Technical Schedule No 6/4D/28 issued on 28 December 1973 are applicable.

NOTE: This Schedule comprises Page 1 dated 29/3/74.

A copy of the Certificate to which this Schedule refers was issued to the Head Office of each Weights and Measures Authority and the submittor on 19/3/74.

29/3/74



TECHNICAL SCHEDULE No 6/4D/28

VARIATION No 3

Pattern: Avery 1750 Weighing Instrument

Submittor: Avery Australia Ltd, 3-5 Birminghem Avenue, Villawood, New South Wales, 2163.

Description of Variants:

 A prepackaging version of the Avery 1750 weighing instrument (Figures 3 and 4). An output socket for mass, unit price and price indication is provided. The self-adhesive label ticket printer is either an Avery Compulabeler C420 or an Avery Minilabeller C430. Sample tickets are illustrated in Figures 5 and 6. The instrument is marked adjacent to the mass indicator, for example:

 $\begin{array}{c} \text{III}\\ \text{Max} = 4,995 \text{ kg}\\ \text{Min} = 0,100 \text{ kg}\\ \text{d}_{q} = 0,005 \text{ kg}\\ \text{T} = +0,275 \text{ kg} \end{array}$

and NOT FOR RETAIL COUNTER USE.

The indications of mass, unit price and price and the zero indicator are on the operator's side of the instrument only.

2. An Avery 1750 retail counter weighing instrument as described in the pattern and variants with an Avery Compulabeler C420 ticket printer or an Avery Minilabeller C430 ticket printer. The tickets may be hand-held or self-adhesive and are intended for printing in the presence of the purchaser. The tickets are similar to the sample labels illustrated in Figures 5 and 6 or may be printed with price only, in which case the ticket may have the word DOLLARS printed above or below the price, or the symbol \$ printed before the price. The word DOLLARS or the symbol \$ may either be preprinted on the ticket or printed by the printer.

29/4/76 (replaced 27/6/80) Technical Schedule No 6/4D/28 - Variation No 3

The instrument is approved for retail counter use. Mass, unit price and price are digitally indicated on both the vendor's and purchaser's sides of the instrument. The instrument does not have a tare device.

Test Procedures:

The printer should print the indications of mass, unit price and price as listed in Tables 1 and 2 as appropriate.. The exact figures given in the Tables should be printed as rounding is effected within the computer.

29/4/76 (replaced 27/6/80)

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TECHNICAL SCHEDULE No 6/4D/28

VARIATION No 4

Pattern: Avery 1750 Weighing Instrument

<u>Submittor</u>: Avery Australia Ltd, 3-5 Birmingham Avenue, Villawood, New South Wales, 2163.

Date of Approval of Variation: 11 May 1976

The modification described in this Schedule applies to the patterns described in Technical Schedule No 6/4D/28 dated 28 December 1973 and Technical Schedule No 6/4D/28 Variation Nos 1, 2 and 3 dated 28 December 1973, 29 March 1974 and 29 April 1976.

All instruments conforming to this approval shall be marked "NSC No 6/4D/28".

Description:

The approved modification provides for an Avery 8664 ticket printer to be used in the prepackaging version of the Avery 1750 weighing instrument (see Figures 7 and 8). The tickets are self-adhesive (either heat or pressure sensitive).



TECHNICAL SCHEDULE No 6/4D/28

VARIATION No 5

Pattern: Avery 1750 Weighing Instrument

<u>Submittor</u>: Avery Australia Ltd, 3-5 Birmingham Avenue, Villawood, New South Wales, 2163.

Description of Variants:

- An Avery Minilabeller C431 ticket printer to be used in the prepackaging version of the Avery 1750 weighing instrument (Figures 9 and 10). The tickets are self-adhesive.
- 2. An Avery Minilabeller C431 ticket printer to be used with an Avery 1750 retail counter weighing instrument. The tickets may be hand-held or self-adhesive and are intended for printing in the presence of the purchaser. The tickets are similar to the sample labels illustrated in Figure 10, or may be printed with price only, in which case the ticket may have the word DOLLARS printed above or below the price, or the symbol \$ printed before the price. The word DOLLARS or the symbol \$ may either be preprinted on the ticket or printed by the printer.
 - The instrument is approved for retail counter use. Mass, unit price and price are digitally indicated on both the vendor's and purchaser's sides of the instrument. The instrument does not have a tare device.

Test Procedure:

The printer should print the indications of mass, unit price and price as listed in Tables 1 and 2 as appropriate. The exact figures given in the Tables should be printed as rounding is effected within the computer.

21/9/76 (replaced 27/6/80)



TECHNICAL SCHEDULE No 6/4D/28

VARIATION No 6

Pattern: Avery Weighing Instrument Model 1750

<u>Submittor</u>: Avery Australia Ltd, 3-5 Birmingham Avenue, Villawood, New South Wales, 2163.

Date of Approval of Variation: 21 October 1976

The modifications described in this Schedule apply to the patterns described in Technical Schedule No 6/4D/28 dated 28 December 1973 and Technical Schedule No 6/4D/28 - Variation Nos 1 to 5 dated 28 December 1973, 29 March 1974, 29 April 1976, 1 June 1976 and 21 September 1976 respectively.

All instruments conforming to this approval shall be marked "NSC No 6/4D/28".

Description:

The approved modifications provide for:

 A purchaser's indicator of weight, unit price and total price, located* remote from but directly associated with the weighing instrument, in addition to or as an alternative to the inbuilt purchaser's indications (see Figures 11 and 12). The interconnecting cable is sealed to the weighing instrument (see Figure 13). The remote indicator and weighing unit are electrically interlocked so that the weighing unit cannot indicate without the remote purchaser's indicator also indicating.

An "all-8" test button is provided for the remote display.

* Inspectors should ensure that the instrument is installed so that there is a direct unambiguous relationship between the remote indicator and the weighing unit.

17/12/76

.../2

The remote display is marked adjacent to the weight reading face:

(III)		or	(111)
Max	=	4,995 kg		Max	=	9,99 kg
Min	=	0,1 kg		Min	=	0,2 kg
$\mathbf{d}_{\mathrm{d}} = \mathbf{e}$	=	0,005 kg		$d_d = e$	#	0,01 kg

and with a notice advising that the remote display should be located so that it is directly associated with the weighing instrument.

The approval includes other shaped housings for the remote display.

 A unit-price range of 1 c/kg to \$99,99/kg and total price to \$499,45 or \$999,90.

Special Tests:

- When testing the instrument with the unit-price range 1 c/kg to \$99,99/kg, the indications of weight, unit price and total price as listed in Tables 5 and 6 as appropriate (Table 5 — 4,995-kg instrument, Table 6 — 9,99-kg instrument) will indicate that the price-computing and weight circuits are functioning correctly. The exact figures shall be printed; rounding is effected within the computer.
- 2. When the remote indicator is switched off or disconnected from the power supply, the weighing unit should not indicate.



TECHNICAL SCHEDULE No 6/4D/28 VARIATION No 7

Pattern: Avery Weighing Instrument Model 1750

<u>Submittor</u>: Avery Australia Ltd, 3-5 Birmingham Avenue, Villawood, New South Wales, 2163.

Date of Approval of Variation: 4 April 1977

The modifications described in this Schedule apply to the patterns described in Technical Schedule No 6/4D/28 dated 28 December 1973 and Technical Schedule No 6/4D/28 - Variation Nos 1 to 6 dated 28 December 1973, 29 March 1974, 29 April 1976, 1 June 1976, 21 September 1976 and 17 December 1976 respectively.

All instruments conforming to this approval shall be marked "NSC No 6/4D/28".

Description:

The approved modifications provide for:

- 1. The instrument without price computing, indicating only weight on the purchaser's and vendor's sides (see Figure 14).
- 2. The instrument without price computing with the purchaser's and vendor's weight indicators replaced by a combined purchaser's and vendor's indicator of weight located remote from but directly associated with the weighing unit (see Figures 15 and 16)*. The interconnecting cable is sealed to the weighing unit (see Figure 13). The "press to balance" button and the "zero-balance" indicator are on the remote weight indicator. An all-8 test button is provided on the remote weight indicator.

The remote weight indicator is marked adjacent to the weight

31/5/77

^{*} Inspectors should ensure that the instrument is installed so that there is a self-evident association between the remote indicator and the weighing unit and so that the weight indications can be easily read by both the purchaser and the vendor.

Technical Schedule No 6/4D/28 - Variation 7

reading f	ace:	·				
	(III)) .	or	(III	>
Max	-	4,995 kg		Max	=	9,99 kg
Min	=	0,1 kg		Min	=	0,2 kg
$d_d = e$	=	0,005 kg		$d_d = e$	=	0,01 kg

and with a notice advising that the remote display should be located so that it is directly associated with the weighing unit and so that the weight indications can be easily read by both the purchaser and vendor.

An output socket on the remote indicator may provide data to peripheral devices which are not a part of the measuring instrument.* These devices, which may only be provided with the authorisation of the Weights and Measures Authority of the State, may, for example, store and process the data, or print receipts, etc. Provision is made to seal the output socket.

* The measuring instrument examined and approved by the Commission is limited to the devices which determine the value of a physical quantity, control the measurement, and indicate the result of the measurement on a non-permanent visual display, for example, a seven-segment indicator.

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TECHNICAL SCHEDULE No 6/4D/28

VARIATION No 8

Pattern: Avery Weighing Instrument Model 1750*

Submittor: Avery Australia Ltd, 3-5 Birmingham Avenue, Villawood, New South Wales, 2163.

1. Description of Variant 14

1.1 Voriant 14

1.1.1 A Model C421 RtD printer replacing the C420 or the C430 printer approved for prepackaging and retail weighing instruments in Technical Schedule No 6/4D/28 Variation No 3 dated 27/6/80.

The data cable providing the mass, unit price and price information is sealed to the weighing instrument or alternatively the serial number of the printer is sealed to the weighing unit. A Weights and Measures Authority may authorise either method of sealing. The other end of the data cable is internally connected within the printer, which is sealed to prevent access to components the removal of which may affect the performance of the instrument.

Figures 6/4D/72 - 5, 17, 21 and 22 illustrate the printer and its sealing. Figures 6/4D/72 - 23 and 24 illustrate the tickets.

- 1.1.2 The printer is approved for the 1750 Mk I in four forms:
 - Model C421 RLD as Figure 6/4D/72 21, printing a ticket similar to that shown in Figure 23.
 - Model C421 RLD (P) as Figure 6/4D/72 21, to print price only; the ticket may have the word DOLLARS printed above or below the price, or the symbol \$ printed before the price. The word DOLLARS and the symbol \$ may be either preprinted on the ticket or printed by the printer.

For use only with Avery 1750 Mk I retail weighing instrument.

- Model C421S as Figure 6/4D/72 22, printing a ticket similar to that shown in Figure 6/4D/72 24, that is, with the addition of date.
 - Model C421SK as Figure 6/4D/72 22, printing a ticket similar to that shown in Figure 6/4D/72 - 24, with the addition of a stereo imprint of commodity title.

* Known as 1750 Mk I since the approval of Model 1750 Mk II, Certificate No 6/4D/72.

5/6/81



NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/28

CHANGE No 1

The approval of the patterns of the

Avery 1750 Weighing Instrument

given in Certificate No 6/4D/28 dated 11 December 1973 and subsequent variations

is varied by:

 in Technical Schedule No 6/4D/28 - Variation No 1, adding, in the Description:

"The maximum additive tare capacity may, due to variation in individual instrument performance:

(a) be up to 0,3 kg for the 4,995-kg instrument, or

(b) be up to 0,4 kg for the 9,990-kg instrument.

The instrument, however, will be marked with a nominal tare capacity, either $T = +0,275 \text{ kg}^{\circ}$ or $T = +0,370 \text{ kg}^{\circ}$ respectively."

2. In Technical Schedule No 6/4D/28 - Variation No 3, changing the tare-capacity marking in the example to "T = + 0.275 kg".



NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/28

CHANGE No 2

The description of the

Avery Weighing Instrument Type 1750 Mk I

given in Technical Schedule No 6/4D/28 is altered by:

- (1) Replacement of Variation No 3 with the attached Variation No 3 which provides for the C420 and C430 ticket printers to be used as retail instruments, and allows them to print tickets indicating price only.
- (2) Replacement of Variation No 5 with the attached Variation No 5 which makes the same provisions for the C431 printer.









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FIGURE 6/4D/28 - 5



(a) Before Frinting

_	NET	PRICE	TOTAL
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(b) After Printing

Avery Compulabeler C420 Sample Ticket (actual size)

FIGURE 6/4D/28 - 6



(a) Before Printing



(b) After Printing

Avery Minilabeller C430 Sample Ticket (actual size)

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Avery 1750 Prepack with Avery 8664 Ticket Printer AVERY 5 1 FIGURE 6/4D/28 **AVERY 1750** 100

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FIGURE 6/4D/28 - 8



(a) Before Printing

DATE OF	NET WT kg	PRICE/kg	TOTAL
PACKAGE	L. 220 S	2,20	PRICE

(b) After Printing

Sample Ticket (actual size) - Avery 8664 Ticket Printer





(a) Before printing

			C43	I
DATE	WEIGHT	PRICE/KG	PRICE	
2 8 0 8 7 3 0 0 9 7	60,1101 6 - LAST DAY	kg\$4,57 rof	\$ C,≞	50

(b) After printing

Avery Minilabeller C431 Sample Ticket (actual size)



17/12/76







Sealing of Interconnecting Cable





Avery 1750 Weighing Unit

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