



NATIONAL STANDARDS COMMISSION

WEIGHTS AND MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

PROVISIONAL CERTIFICATE OF APPROVAL No P6/4D/205

This is to certify that an approval has been granted by the Commission that the pattern and variants of the

Toledo Model 8211 Weighing Instrument With DTS Model 540 Cash Register

pattern submitted by Toledo Scale (Australia) Ltd
525 Graham Street
Port Melbourne, Victoria, 3207

variants 1 and 2 submitted by Data Terminal Systems
127 Alexander Street
Crows Nest, New South Wales, 2065

are suitable for use for trade.

Instruments purporting to comply with this approval shall be marked with the appropriate NSC No on the scale and NSC No P6/4D/205 on the cash register.

Relevant drawings and specifications are lodged with the Commission.

Conditions of Approval

1. The approval of the pattern and variant 1 will expire in respect of new instruments on 1 October 1983.
2. The approval of variant 2 will commence on 1 October 1983 and will expire on 1 July 1984, by which time all instruments installed in this period shall either comply with NSC approval S2/0 or be removed from use for trade.
3. The approval of the cash register is limited to those functions described in the Technical Schedule.
4. Items not price-marked are specifically described on the ticket (e.g. potatoes).

Note: Statements of mass or volume on the ticket are not mandatory for non-weighed items.

5. Generic descriptions (e.g. grocery) are permitted only on price-marked articles.

Signed

Executive Director

14/9/83

...../2

Descriptive Advice

Pattern: approved 25/5/81 - expires 1/10/83

- . A Toledo model 8211 weighing instrument of 9.995 kg capacity by 5 g scale intervals connected to a DTS 540 cash register.

Technical Schedule No P6/4D/205 dated 29/6/81 describes the pattern.

Variant: approved 19/8/83 - expires 1/10/83

1. With the weighing instrument of the pattern replaced by any other Commission-approved weighing instrument and used with either a DTS model 540 or model 2540 cash register.

Variant: approved 19/8/83 - expires 1/7/84

2. Any Commission-approved weighing instrument and a DTS model 540A or model 2540A cash register.

Technical Schedule No P6/4D/205 Variation No 1 dated 14/9/83 describes variants 1 and 2.

Filing Advice

Certificate of Approval No P6/4D/205 dated 29/6/81 (which approved the pattern only and restricted its use to three sites) is superseded by this Certificate and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No P6/4D/205 dated 14/9/83
Technical Schedule No P6/4D/205 dated 29/6/81
Technical Schedule No P6/4D/205 Variation No 1 dated 14/9/83
Test Procedure No 6/4D/205 (including Table 1) dated 29/6/81
Figures 1 to 9 dated 29/6/81.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No P6/4D/205

Pattern: Toledo Model 8211 Scale and DTS Model 540 Cash Register

Submitter: Toledo-Berkel Pty Ltd,
525 Graham Street,
Port Melbourne, Victoria, 3207.

1. Description of Pattern

1.1 Weighing Instrument

Toledo Model 8211 Scale.

Capacity: 9.995 kg
Scale interval: 5 g

Described in Technical Schedule No 6/4D/84, Variation No 5.

1.2 Cash Register

DTS Model 540 (Figures 1, 2 and 3).

The DTS 540 is an electronic cash register deriving weight information directly from the Toledo Model 8211 Scale.

Max price: \$899.99
Max unit price: \$1799.80/kg

Note: The above applies to weighed items only.

By means of the keyboard the operator can produce tickets in the forms illustrated in Figures 4 to 9; only those formats illustrated may be used for trade.

The DTS 540 performs other management functions not subject to pattern approval.

1.3 Sealing

The scale is sealed in the manner described in Technical Schedule No 6/4D/84, Variation No 5.

1.4 Marking

Marking of the scale shall be as described in Technical Schedule No 6/4D/84 Variation No 5. In addition the cash register is marked with the Approval No NSC No P6/4D/205 .

TEST PROCEDURE No P6/4D/205

1. Tests on the Toledo Model 8211 Scale are carried out in accordance with Technical Schedule No 6/4D/84 Variation No 5, using Table 1 of this Technical Schedule in place of Table 1 of 6/4D/84 and should be conducted in conjunction with the Price Computing Accuracy test below.
2. Price Computing Accuracy - Table 1

- (a) In normal use the cash register is inhibited from accepting price data from the keyboard for weighed transactions. The cash register must be reprogrammed by a DTS representative before this test can be conducted. When correctly programmed the display on the cash register should read:

P 150 3	12 --- 12347	for scale inhibit
and P 150 3	--- 347	for scale free

- (b) When performing this test, the operations are:

- (1) Mass on the receptor,
- (2) Select "SCALE",
- (3) Select unit price eg. "89995" (note no decimal),
- (4) Select "MEAT",
- (5) Return to (1) until the last mass has been entered; then
- (6) Select "LOG SUB TOT",
- (7) Enter "553850",
- (8) Select "CASH TOTAL", and

the printer will then reproduce the ticket of Figure 9. The indications on the ticket of mass, unit price and price as listed in Table 1, will indicate that the price-computing and weight circuits are functioning correctly. The exact figures should be indicated as rounding is effected within the cash register.

TABLE 1

Indicated Mass	Unit Price	Price
kg	\$/kg	\$
0.100	1799.80	179.98
0.110	1688.71	185.76
0.120	977.99	117.36
0.130	866.68	112.67
0.140	655.57	91.78
0.150	544.46	81.67
0.160	433.35	69.34
0.170	322.24	54.78
0.180	211.12	38.00
0.190	188.83	35.88
0.200	39.39	7.88
0.300	29.29	8.79
0.400	19.29	7.72
0.500	9.00	4.50
0.600	55.16	33.10
0.700	39.02	27.31
0.800	58.99	47.19
0.900	70.99	63.89
1.000	899.99	899.99
2.000	373.26	746.52
3.000	171.21	513.63
4.000	150.12	600.48
5.000	84.01	420.05
6.000	40.04	240.24
7.000	50.03	350.21
8.000	21.27	170.16
9.000	36.63	329.67
9.995	10.00	99.95

Test Procedure - 9.995 kg instrument with unit price to \$1799.88 total price to \$899.99



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No P6/4D/205

VARIATION No 1

Pattern: Toledo Model 8211 Weighing Instrument With DTS Model 540 Cash Register

Submittor: Data Terminal Systems
127 Alexander Street
Crows Nest, New South Wales, 2065

1. Description of Variants

1.1 Variant 1

With the weighing instrument of the pattern replaced by any other Commission-approved weighing instruments (Note: Condition of Approval 1) and used with either a DTS model* 540 or model 2540 cash register. The model 2540 is similar to that shown in Figure 1.

1.2 Variant 2

Any Commission-approved weighing instrument with a DTS model* 540A or model 2540A cash register. The 540A or 2540A is an electronic cash register similar to the model 540 described in Technical Schedule No P6/4D/205 dated 29/6/81 and shown in Figure 1 (Note: Condition of Approval 2).

1.2.1 Marking

The cash register is marked NSC No P6/4D/205 and also model 540A or 2540A as appropriate.

1.2.2 Verification Mark

Provision is made for a verification mark to be applied.

*The faceplate of the cash register is marked either 500 or 2500 series but when interfaced with a weighing instrument is internally connected as a 540 or 2540 as appropriate, and is so marked on a nameplate. For variant 2, the number on the nameplate must carry the suffix "A".



NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No P6/4D/205

CHANGE No 1

The following change is made to the description of the Toledo Model 8211 Scale and DTS Model 540 Cash Register given in Technical Schedule No P6/4D/205 dated 29/6/81:

The description of the display given in Paragraph 2(a) of the Test Procedure, is amended to read:

P150 3	12 - - -	for scale inhibit
P150 3	- - -	for scale free,

where - - - represents a set of any numerals 3 to 9.

The set of numerals may not be the same on all cash registers but should remain unaltered whether the register is in 'scale inhibit' or 'scale free' condition; only the numerals 1 and 2 should be missing when in 'scale free' condition.

Signed

Executive Director

FG



NATIONAL STANDARDS COMMISSION

CANCELLATION OF CERTIFICATE OF APPROVAL No P6/4D/205

This is to certify that Certificate of Approval No P6/4D/205 for the pattern and variant 1 of the

Toledo Model 8211 Weighing Instrument With DTS Model 540 Cash Register

submitted by Toledo Scale (Australia) Ltd
525 Graham Street
Port Melbourne, Vic 3207

will expire in respect of new instruments on 1 October 1983.

Instruments which were verified before that date may, with the concurrence of the State or Territorial verifying authorities, be submitted for reverification.

Signed

Executive Director

9/9/83



NATIONAL STANDARDS COMMISSION

NOTICE TO INSPECTORS

APPROVAL No P6/4D/205

The attached Technical Schedule dated 29/6/81 and Notification of Change No 1 dated 10/12/81 are now issued to complete the documentation for this approval.

When originally issued these documents had restricted distribution as the approval was at that time limited to three sites.

Filing Advice

The documentation for this approval now comprises:

Certificate of Approval No P6/4D/205 dated 14/9/83

Technical Schedule No P6/4D/205 dated 29/6/81 (amended by Notification of Change No 1 dated 10/12/81)

Technical Schedule No P6/4D/205 Variation No 1 dated 14/9/83

Test Procedure No P6/4D/205 (including Table 1) dated 29/6/81

Figures 1 to 9 dated 29/6/81.

FG

P6/4D/205
2/7/84



NATIONAL STANDARDS COMMISSION

WITHDRAWAL CERTIFICATE FOR APPROVAL No P6/4D/205

This is to certify that Variant 2 of Approval No P6/4D/205 for the
Toledo Model 8211 Weighing Instrument with DTS Model 540 Cash Register

pattern submitted by Toledo Scale (Australia) Ltd
525 Graham Street
Port Melbourne Victoria 3207

variants 1 and 2 submitted by Data Terminal Systems
127 Alexander Street
Crows Nest New South Wales 2065

was withdrawn on 1/7/84.

The approval of Variant 2, which commenced on 1/10/83, allowed any Commission-approved weighing instrument to be used with a DTS model 540A or model 2540A cash register. Instruments which were verified between 1/10/83 and 1/7/84 must now either comply with the requirements of NSC General Supplementary Approval No S2/0 or be withdrawn from use for trade.

Signed

Executive Director

Note: The approval of the pattern and variant 1 expired in respect of new instruments on 1/10/83.

FIGURE P6/40/205 - 1

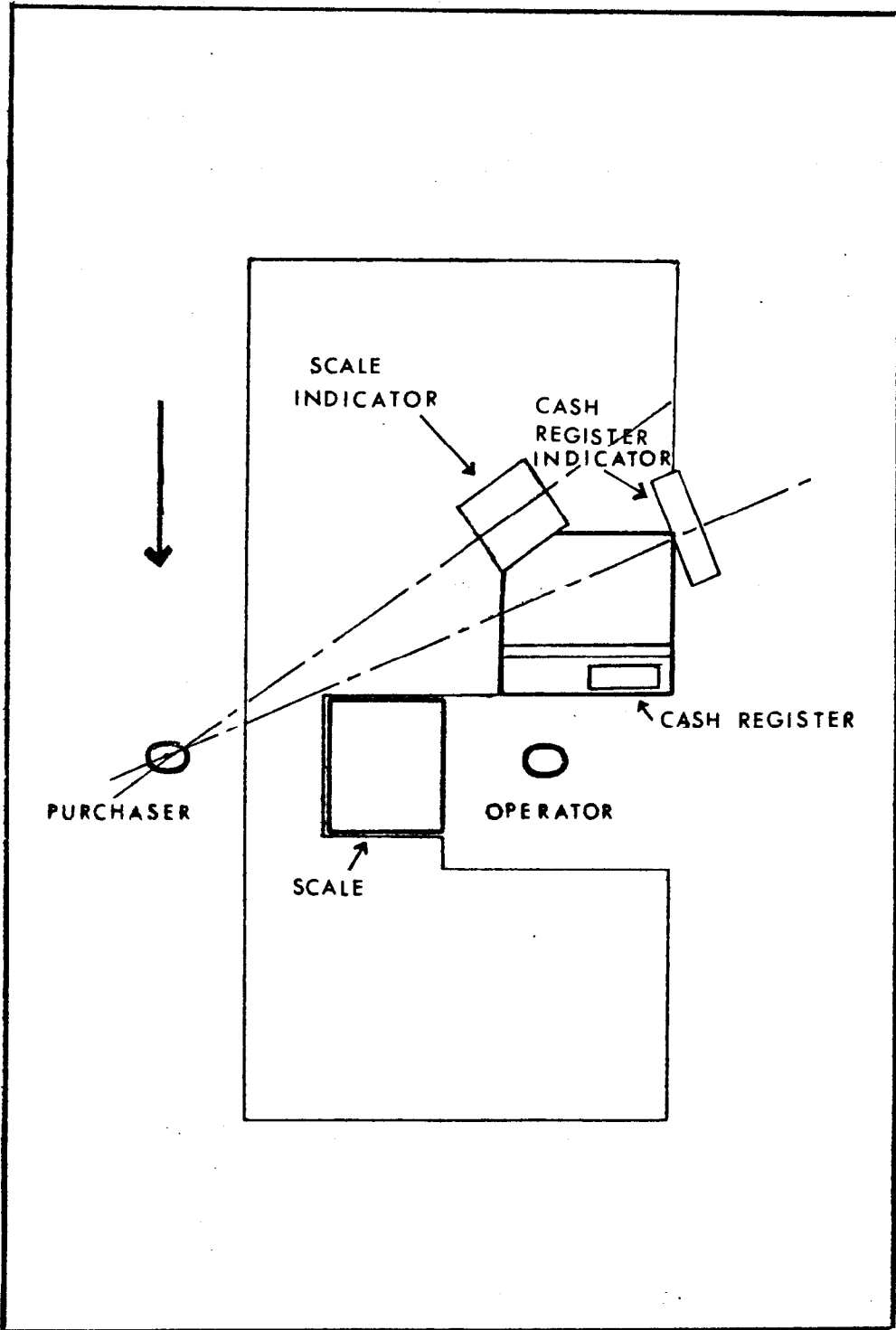


DTS 540 Cash Register, and Purchaser's Indicators
Cash Register and 8211 Scale

29/6/81

D/S/78

FIGURE P6/4D/205 - 2

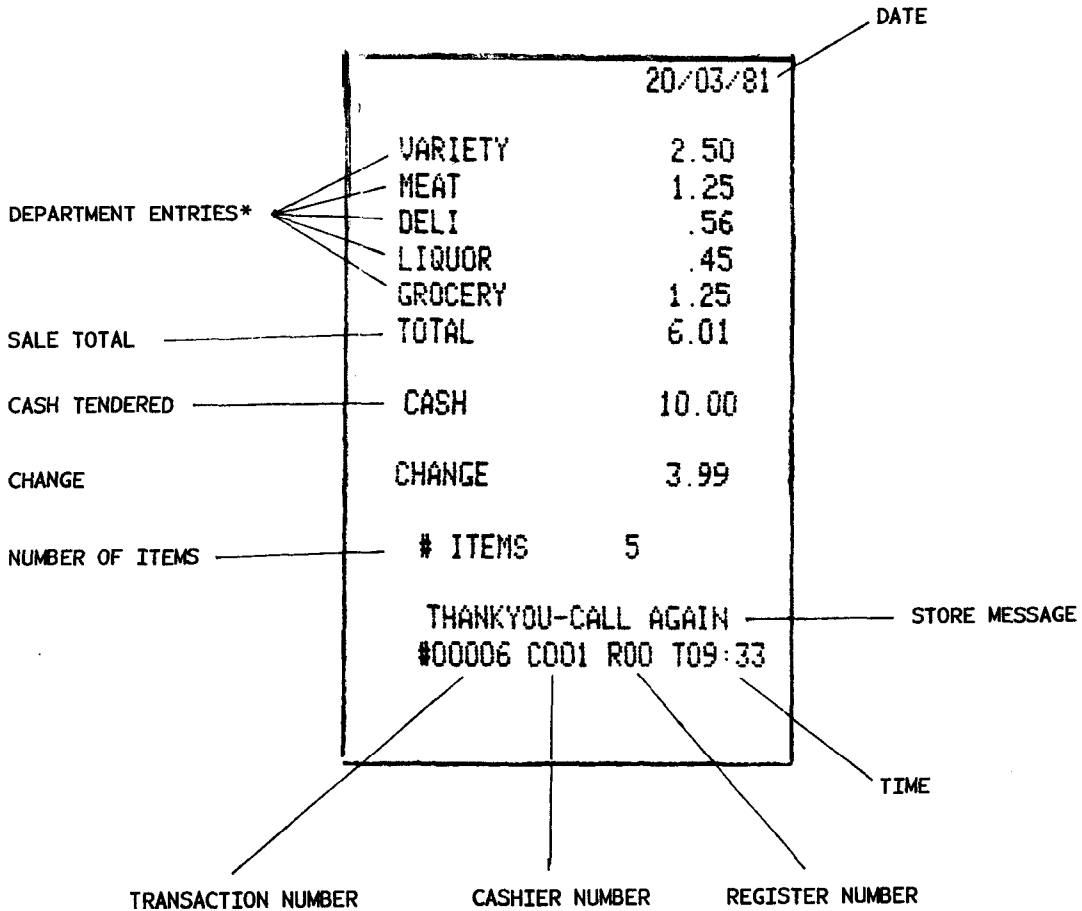


Arrangement of Checkout

FIGURE P6/4D/205 - 3



DTS 540 Keyboard



* Generic descriptions are permitted only for articles which are price-marked

General arrangement of Ticket showing Department Entries

	07/02/80	DATE
	GROCERY	1.52
	DELI	3.99
	PRODUCE	5.60
DESCRIPTION & PRICE	POTATOES	3.00
MASS & PRICE/kg	3.000KG @1.00/KG	
	PUMPKIN	2.85
	1.425KG @2.00/KG	
	MEAT	6.99
	GROCERY	3.60
	BEANS	1.29
	.430KG @3.00/KG	
	LIQUOR	2.50
	BAKERY	3.50
	TOTAL	34.84
	CASH	40.00
	CHANGE	5.16
	# ITEMS	10
	THANKYOU-CALL AGAIN	
	#00081 C001 R01 T12:20	

In this example unit prices are recalled from the register memory by entering code numbers into the keyboard.
 Every weighed item has a code number and is registered in this manner.
 A 10 character descriptor is available for each weighed item.

Ticket showing Weighed Items

FIGURE P6/4D/205 - 6

		20/03/81
DEPARTMENT ENTRIES	VARIETY	.25
	GROCERY	.59
CODED ITEMS	BAKED BEANS	.56
	200 TISSUES	.42
	TOTAL	1.82
	CASH	2.00
	CHANGE	.18
	# ITEMS	4
	THANKYOU-CALL AGAIN	
	#00008 C001 R00 T09:35	

In this example the prices for the coded items were recalled from the register memory by keying in an individual item number for each item. A 12 character descriptor is available for each coded item.

Ticket showing Coded Item

29/6/81

	20/03/81
	MEAT 1.25
	GROCERY .52
	VARIETY .56
VOIDED ITEM	VOID
	VARIETY .56-
	LIQUOR .75
	TOTAL 2.52
	CASH 5.00
	CHANGE 2.48
	# ITEMS 3
	THANKYOU-CALL AGAIN
	#00009 C001 R00 T09:36

Ticket showing a Voided Item

	20/03/81
RETU	
SPAGETTI	.26-
TOTAL	.26-R
CASH	.26-R
# ITEMS	0
THANKYOU-CALL AGAIN	
#00011 C001 R00 T09:38	

Ticket showing a Credited Item

29/6/81

MEAT	179.98	.500KG @9.00/KG	
.100KG @1799.80/1KG		MEAT	33.10
MEAT	185.76	.600KG @55.16/KG	
.110KG @1688.71/1KG		MEAT	27.31
MEAT	117.36	.700KG @39.02/KG	
.120KG @977.99/KG		MEAT	47.19
MEAT	112.67	.800KG @58.99/KG	
.130KG @866.68/KG		MEAT	63.89
MEAT	91.78	.900KG @70.99/KG	
.140KG @655.57/KG		MEAT	899.99
MEAT	81.67	1.000KG @899.99/KG	
.150KG @544.46/KG		MEAT	746.52
MEAT	69.34	2.000KG @373.26/KG	
.160KG @433.35/KG		MEAT	513.63
MEAT	54.78	3.000KG @171.21/KG	
.170KG @322.24/KG		MEAT	600.48
MEAT	38.00	4.000KG @150.12/KG	
.180KG @211.12/KG		MEAT	420.05
MEAT	35.88	5.000KG @84.01/KG	
.190KG @188.83/KG		MEAT	240.24
MEAT	7.88	6.000KG @40.04/KG	
.200KG @39.39/KG		MEAT	350.21
MEAT	8.79	7.000KG @50.03/KG	
.300KG @29.29/KG		MEAT	170.16
MEAT	7.72	8.000KG @21.27/KG	
.400KG @19.29/KG		MEAT	329.67
MEAT	4.50	9.000KG @36.63/KG	
		MEAT	99.95
		9.995KG @10.00/KG	
		TOTAL	5538.50