

(UK/0126/0027)



MI-008

United Kingdom of Great Britain and Northern Ireland

Certificate of EC type-examination of a measuring instrument

Number: UK/0126/0027 Revision 2

issued by the Secretary of State for Business, Innovation and Skills
Notified Body Number 0126

In accordance with the requirements of the Measuring Instruments (Material Measures of Length) Regulations 2006 (SI 2006/1267) and the Measuring Instruments (Non-Prescribed Instruments) Regulations 2006 (SI 2006/1270) which implement, in the United Kingdom, Council Directive 2004/22/EC, this certificate of EC type-examination has been issued to:

**Ningbo Oubo Hardware Industrial Ltd.
No. 5 Xingxian Road,
Yuyao,
Zhejiang
315400,
P.R.China**

in respect of: Material measure of length
accuracy class: I
nominal length and width: 10 m x 30 mm

Additional accuracy classes, models, lengths and widths are described in Section 7 of the descriptive annex to this certificate.

This revision replaces previous versions of the certificate.

Signatory: P R Dixon
for Chief Executive
National Weights & Measures Laboratory
Department for Business, Innovation and Skills
Stanton Avenue
Teddington
Middlesex TW11 0JZ
United Kingdom

Issue Date: 22 December 2010
Valid Until: 31 March 2018
Reference No: T1126/0027

Descriptive Annex

1 REGULATIONS

The measuring instrument in respect of which this certificate of EC pattern approval has been issued is subject to the provisions and requirements of the requirements of the Measuring Instruments (Material Measures of Length) Regulations 2006 (SI 2006/1267) and the Measuring Instruments (Non-Prescribed Instruments) Regulations 2006 (SI 2006/1270) which implement, in the United Kingdom, Council Directive 2004/22/EC.

2 DESCRIPTION OF THE PATTERN


The pattern is a composite, retractable measure, which may be in a case. The blade is 10 m long, 30 mm wide, is made of steel and has a sliding hook at the free end. It has black markings on a yellow background protected by a clear film. The blade is graduated in millimetres throughout on both edges; half-centimetres are also marked. The centimetre intervals are numbered consecutively throughout the blade. The decimetre numbers are marked in red. The case may be any colour.

3 TECHNICAL DATA

- 3.1
- (a) Accuracy class: I
 - (b) Nominal length: 10 m
 - (c) Scale interval: 1 mm

4 INSCRIPTIONS

The following inscriptions are marked at the beginning of the blade:

- (a) Nominal length: 10 m
- (b) Manufacturer's identification:  and/or "DEMASS"
- (c) Class of accuracy: I
- (d) EC type approval certificate number: UK 0126 0027

5 APPROVAL CONDITIONS

The certificate is issued subject to the following conditions.

5.1 Legends and inscriptions

5.1.1 The following markings and inscriptions legends are durably and legibly marked onto the blade of the tape measure, and fulfil the requirements of Annex I Paragraph 9 of Directive 2004/22/EC:

- 'CE' mark
- Supplementary metrology mark
- Notified Body number
- Tractive force (if applicable)
- Reference temperature (if other than 20°C)

5.1.2 The model of the tape measure cases are identified by the series reference RA, e.g. RA10030 (10m x 30mm).

6 LOCATION OF MARKS

6.1 The inscriptions in section 4 together with the ‘CE’ marking, supplementary metrology marking and notified body number are printed on the blade near the beginning.

7 ALTERNATIVES

7.1 Having alternative model numbers identified by the series reference RB, e.g. RB10030 (10 m x 30 mm).

7.1.1 Having an alternative model of the tape measure case identified by the series reference TM, e.g. TM10030 (10 m x 30 mm).

7.1.2 Having alternative nominal lengths and widths of steel tape measure blade as described in Table 1 below.

Model No	Alternative Model No	Alternative Model No	Accuracy class	Nominal length (m)	Nominal width (mm)
RA2016	RB2016	TM2016	I	2	16
RA2019	RB2019	TM2019	I	2	19
RA3016	RB3016	TM3016	I	3	16
RA3019	RB3019	TM3019	I	3	19
RA5016	RB5016	TM5016	I	5	16
RA5019	RB5019	TM5019	I	5	19
RA5025	RB5025	TM5025	I	5	25
RA8025	RB8025	TM8025	I	8	25
RA8030	RB8030	TM8030	I	8	30
RA10025	RB10025	TM10025	I	10	25

Table 1

7.1.3 The tape measure blade may be fitted into a case which is not marked with a case dimension for making internal measurements.

7.1.4 The case may be fitted with any of the following:

- blade lock
- belt clip
- wrist / carrying strap.

7.2 Having alternative models of long steel tape measure blade as detailed in Table 2 below.

Model No:	Accuracy class	Nominal Length (m)	Nominal Width (mm)
GG1013	II	10	13
GG1513	II	15	13
GG2013	II	20	13
GG2513	II	25	13
GG3013	II	30	13
GG5013	II	50	13
LWX3013	II	30	13
LWX5013	II	50	13

Table 2

7.2.1 The steel blade is graduated every half-centimetre along the top and in millimetre intervals along the bottom edge of the blade. The graduations are in black with every 10 centimetres being numbered in black, and every metre numbered in red. The centimetre intervals on the lower edge are numbered consecutively from 1 to 99, and this is repeated every 100 centimetres. The blade has a yellow, white or silver background which is protected by a clear film. The blade is terminated by a riveted reinforcing strip approximately 20 mm long. A folding steel claw is fitted to the reinforcing strip. A metal ring, which is not included in the nominal length, is attached to the blade by means of a steel hinge pin.

7.2.2 The tape measure blade may be fitted into an open reel plastic case, which may be fitted with a winding handle that can be folded.

7.2.3 The tape measure blade may be fitted into a case which is not marked with a case dimension for making internal measurements.

7.2.4 The case may be fitted with any of the following:

- blade lock
- belt clip
- wrist / carrying strap.
- winding handle that can be folded

7.3 Having alternative models of fibreglass tape measure blade as detailed in Table 3 below, for alternative case models (Figures 4, 15 & 16).

Model No:	Accuracy class	Nominal Length (m)	Nominal Width (mm)
FGG1015	II	10	15
FGG1515	II	15	15
FGG2015	II	20	15
FGG2515	II	25	15
FGG3015	II	30	15
FGG5015	II	50	15
FWX3015	II	30	15
FWX5015	II	50	15
FWD1015	II	10	15
FWD2015	II	20	15
FWD3015	II	30	15
FWD5015	II	50	15

Table 3

7.3.1 The fibreglass blade is graduated in 2 millimetre intervals along the top edge, and on both sides of the blade. The graduations are marked in black with every 10 centimetres being numbered in black, and every metre numbered in red. The centimetre intervals are numbered consecutively from 1 to 9 and this is repeated every 10 centimetres. The blade is marked with the metre interval value every 10 centimetres, commencing at the 8 centimetre mark. The blade background is white and is protected with a clear plastic coating. The blade is terminated by a plastic ring, which is attached to the blade by means of a riveted steel reinforcing strip. The blade has a plastic reinforcing strip which extends to approximately the 23 cm graduation mark. The zero reference point for any measurement using this blade is the inside face/edge of the plastic ring.

7.3.2 The tape measure blade may be fitted into an open reel plastic case, which may be fitted with a winding handle that can be folded.

7.3.3 The tape measure blade may be fitted into a case which is not marked with a case dimension for making internal measurements.

7.3.4 The case may be fitted with any of the following:

- blade lock
- belt clip
- wrist / carrying strap.
- winding handle that can be folded

7.4 Having alternative nominal lengths and widths of steel tape measure blade as described in Table 4 below for alternative case models PT, PU, PX, PC and PE (Figures 5, 6, 7, 18 and 19).

PT Model No	PU Model No	PX Model No	PC Model No	PE Model No	Accuracy class	Nominal length (m)	Nominal width (mm)
PT1009	PU1009	PX1009	PC1009	PE1009	I or II	1	9
PT2009	PU2009	PX2009	PC2009	PE2009	I or II	2	9
PT3009	PU3009	PX3009	PC3009	PE3009	I or II	3	9

Table 4

7.5 Having the alternative case model PM (Figure 8), with nominal lengths and widths of steel tapes as shown in Table 5 below:

Model No	Accuracy class	Nominal length (m)	Nominal width (mm)
PM2013	I or II	2	13
PM3013	I or II	3	13

Table 5

7.6 Having a double sided steel blade with the reverse side printed as shown in Figure 9 and having nominal lengths and widths as described in Table 6:

Accuracy class	Nominal length (m)	Nominal width (mm)
I or II	2	16
I or II	3	16
I or II	3	19
I or II	5	19
I or II	5	25
I or II	8	25

Table 6

7.7 Having the alternative case model designated TC (Figure 10), with nominal lengths and widths of steel tapes as shown in Table 7 below:

Model No:	Nominal length (m)	Nominal width (mm)
TC2013	2	13
TC2016	2	16
TC3013	3	13
TC3016	3	16
TC5016	5	16
TC5019	5	19
TC5025	5	25
TC8025	8	25
TC1025	10	25

Table 7

7.8 Having the alternative case model designated TW (Figure 11), with nominal lengths and widths of steel tapes as shown in Table 8 below:

Model No:	Nominal length (m)	Nominal width (mm)
TW2016	2	16
TW2019	2	19
TW3016	3	16
TW3019	3	19
TW5019	5	19
TW5025	5	25
TW8025	8	25
TW1025	10	25

Table 8

7.9 Having the alternative case model designated Q (Figure 12), with nominal lengths and widths of steel tapes as shown in Table 9 below:

Model No:	Nominal length (m)	Nominal width (mm)
Q2013	2	13
Q3013	3	13
Q3016	3	16
Q3019	3	19
Q5019	5	19
Q5025	5	25
Q8025	8	25
Q1025	10	25

Table 9

7.10 Having the alternative case model designated S (Figure 13), with nominal lengths and widths of steel tapes as shown in Table 10 below:

Model No:	Nominal length (m)	Nominal width (mm)
S3016	3	16
S3019	3	19
S5019	5	19
S5025	5	25
S8025	8	25
S1025	10	25

Table 10

7.11 Having the alternative case model designated GP (Figure 14), with nominal lengths and widths of steel tapes as shown in Table 11 below:

Model No:	Nominal length (m)	Nominal width (mm)
GP3016	3	16
GP3019	3	19
GP5019	5	19
GP5025	5	25
GP8025	8	25
GP1025	10	25

Table 11

7.12 Having alternative models of fibreglass tape measure blade (Figure 25) as detailed in Table 12 below.

Model No:	Accuracy class	Nominal Length (m)	Nominal Width (mm)
GD1001	II	10	13
GD2001	II	20	13
GD3001	II	30	13
GD5001	II	50	13
GD1009A	II	10	13
GD2009A	II	20	13
GD3009A	II	30	13
GD5009A	II	50	13
FWJ3013	II	30	13
FWJ5013	II	50	13
FWX3013	II	30	13
FWX5013	II	50	13

Table 12

7.12.1 The fibreglass blade is graduated in 2 millimetre intervals along the top edge, and on both sides of the blade. The graduations are marked in black with every 10 centimetres being numbered in black, and every metre numbered in red. The centimetre intervals are numbered consecutively from 1 to 9 and this is repeated every 10 centimetres. The blade is marked with the metre interval value every 10 centimetres, commencing at the 8 centimetre mark. The blade background is white and is protected with a clear plastic coating. The blade is terminated by a hinged plastic ring, which is attached to the blade by means of a plastic moulding. The moulding also incorporates a folding steel hook. The blade has a plastic reinforcing strip which extends to approximately the 17 cm graduation mark. The zero reference point for any measurement using this blade is the inside face of the folding hook or terminal surface of the plastic moulding.

7.12.2 The tape measure blade may be fitted into an open reel plastic case, which may be fitted with a winding handle that can be folded.

7.12.3 The tape measure blade may be fitted into a case which is not marked with a case dimension for making internal measurements.

7.12.4 The case may be fitted with any of the following:

- wrist / carrying strap.
- winding handle that can be folded.

7.13 Having alternative nominal lengths and widths of steel tape measure blade as described in Table 13 below (Figures 20, 21, 22, 23 and 24).

Alternative Model No	Alternative Model No	Alternative Model No	Alternative Model No	Alternative Model No	Accuracy class	Nominal length (m)	Nominal width (mm)
DD2016	RE2016	----	TT2016	TX2016	I	2	16
----	----	RP 2019	----	----	I	2	19
DD3016	RE3016	----	TT3016	TX3016	I	3	16
----	----	RP 3019	----	----	I	3	19
----	----	----	TT5016	----	I	5	16
DD5019	RE5019	----	TT5019	TX5019	I	5	19
DD5025	RE5025	RP 5025	TT5025	TX5025	I	5	25
DD8025	RE8025	RP 8025	TT8025	TX8025	I	8	25
DD10025	RE10025	----	----	TX10025	I	10	25

Table 13

8 ILLUSTRATIONS

- Figure 1 Example of the pattern
 Figure 2 Example of Model GG- long steel tape measure blade
 Figure 3 Example of Model FGG- Fibreglass tape measure blade
 Figure 4 Examples of the RA, RB, TM, FGG and GG case styles
 Figure 5 Example of the PT case style
 Figure 6 Example of the PU case style
 Figure 7 Example of the PX case style
 Figure 8 Example of the PM case style
 Figure 9 Example of reverse side printing of double sided blade
 Figure 10 Example of the TC case style
 Figure 11 Example of the TW case style
 Figure 12 Example of the Q case style
 Figure 13 Example of the S case style
 Figure 14 Example of the GP case style
 Figure 15 Example of the LWX & FWX model series case style
 Figure 16 Example of the FWD case style
 Figure 17 Example of the FWJ case style
 Figure 18 Example of the PC case style
 Figure 19 Example of the PE case style
 Figure 20 Example of the TX case style

- Figure 21 Example of the TT case style
 Figure 22 Example of the RP case style
 Figure 23 Example of the RE case style
 Figure 24 Example of the DD case style
 Figure 25 Example of the model GD/FWJ/FWX 50m Fibreglass tape measure blade
 Figure 26 Example of the GD01 case style
 Figure 27 Example of the GD09A case style

9 CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
UK/0126/0027	01 April 2008	Type examination certificate first issued.
UK/0126/0027 Revision 1	20 January 2009	Revision 1 Issued. Addition of sections 7.4 to 7.11. Addition of figures 5 to 14.
UK/0126/0027 Revision 2	22 December 2010	Revision 2 Issued. Addition of models: LWX3013 & LWX5013 into section 7.2, Table 2 Addition of models: FWX3015,FWX5015, FWD1015, FWD2015, FWD3015, FWD5015 into section 7.3 Table 3 Addition of models: PC1009, PC2009, PC3009, PE1009, PE2009 & PE3009 into section 7.4 Table 4 Addition of sections 7.12 & 7.13. Addition of figures 15 to 27.

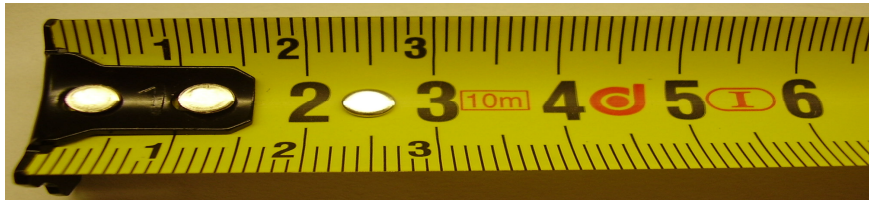


Figure 1 Example of the pattern

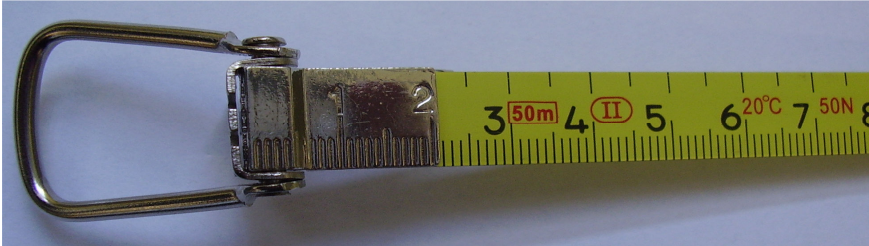


Figure 2 Model GG- Example of long steel tape measure blade

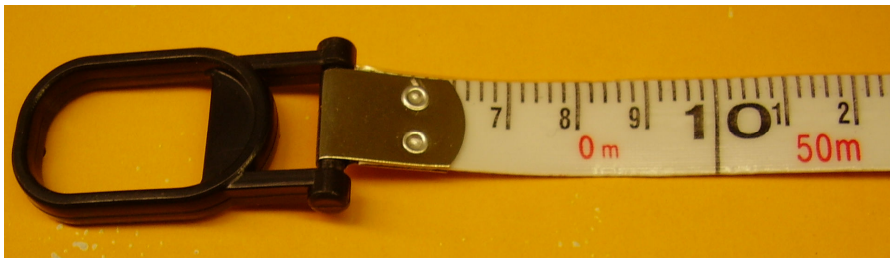


Figure 3 Model FGG- Example of Fibreglass tape measure blade



RA Model series



RB Model series



TM Model series



FGG & GG Model series

Figure 4 Examples of the case styles



Figure 5 Case Model PT



Figure 6 Case Model PU



Figure 7 Case Model PX



Figure 8 Case Model PM

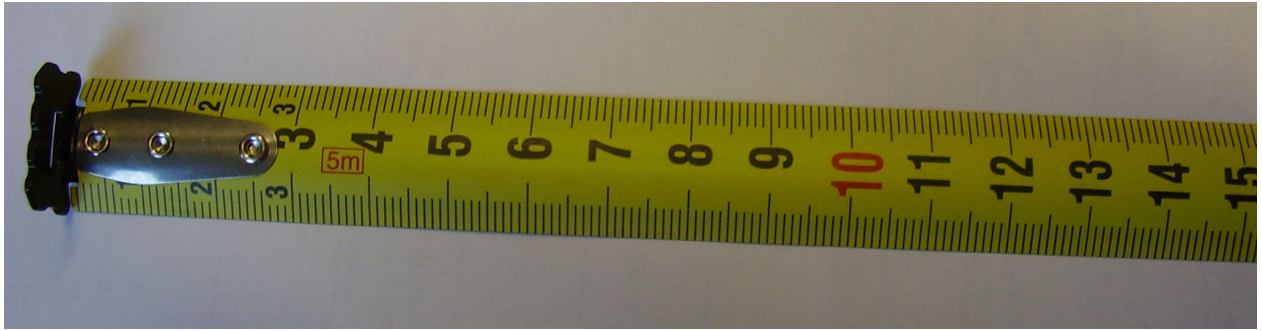


Figure 9 Example of reverse side printing of double sided blade



Figure 10 Case Model TC



Figure 11 Case Model TW



Figure 12 Case Model Q



Figure 13 Case Model S



Figure 14 Case Model GP



Figure 15 Example of the LWX & FWX model series case style



Figure 16 Example of the FWD case style



Figure 17 Example of the FWJ case style



Figure 18 Example of the PC case style



Figure 19 Example of the PE case style



Figure 20 Example of the TX case style



Figure 21 Example of the TT case style



Figure 22 Example of the RP case style



Figure 23 Example of the RE case style



Figure 24 Example of the DD case style

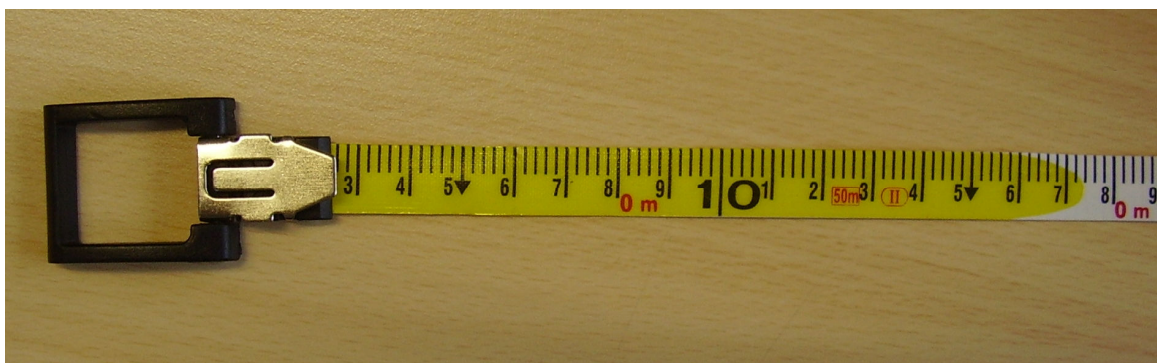


Figure 25 Example of the reverse face of model GD/FWJ/FWX 50m Fibreglass tape measure blade



Figure 26 Example of the GD01 case style



Figure 27 Example of the GD09A case style