International OPTIMIST Class* 1995

Wood Epoxy and Traditional Wood Hull Measurement Form

*Authority: International Sailing Federation (ISAF)

IN ORDER TO OBTAIN A MEASUREMENT CERTIFICATE

1. The builder shall pay the International Class Fee to IODA which shall issue an International Class Fee receipt and an ISAF sticker to the builder.

2. The owner shall apply to his National Authority (NA) for a sail number enclosing the Registration Book with International Class Fee receipt.

3. A measurer officially recognised by a NA shall take all the measurements on this form. (4 pages). In addition the yacht is required to conform with all the class rules even though the measurements are not required on this form.

4. This form when completed, shall be submitted by the owner to his NA together with any registration fee required by the NA.

BEFORE SUBMITTING PLEASE MAKE SURE THAT THIS FORM IS PROPERLY COMPLETED

IYRU plaque no.: ..... Sail no.:.....

Valid hull identification no.: ..... Date built:.....

Builder's name: ..... Date measured: .....

Measurer's name: .....

Owner's name:.....

Owner's address:.....

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GENERAL NOTES FOR MEASURERS

1. In the case of a discrepancy between this form and the Class Rules, the matter shall be referred to the ISAF.
2. All measurements are in millimetres unless otherwise stated.
3. Where rule compliance on measurements in mm. is disputed, measurement shall be done at 23 (+/-5) degrees celsius.

ISAF plaque number: .....

Item	Rule	Measurement	Min.(mm)	ACTUAL	Max.(mm)
A1	2.7.2	Is the IYRU building fee sticker indeed glued on the starboard side of the mast thwart bulkhead ?		Yes/No .	
0	3.2.2.4	Deviation of aft transom (inboard = +, outboard = -)			5
	PLAN	BASE LINE TO CENTRE OF BOTTOM PANEL AT :			
1		250mm from aft face of transom (78)	73		83
2		500mm from aft face of transom (53)	48		58
3		1005mm from aft face of transom (37)	32		42
4		1500mm from aft face of transom (61)	56		66
5		1800mm from aft face of transom (98)	93		103
6		1997 mm from aft face of transom (134)	129		139
7	plan	a) Distance from aft face of transom to aft end of daggerboard slot (1036)	1031		1041
	3.2.2.10	b) Length of daggerboard slot (330)	326		334
	3.2.2.11	c) Basic width of daggerboard slot (17) See also CR 3.2.6.1	16		18
8	plan	Length of bottom. Distance from aft face of aft transom to lower edge of forward transom (2158)	2140		2164
9		Base line to highest part of gunwale assembly at aft transom centreline (434)	429		439
10		Base line to highest part of gunwale assembly at forward transom centreline (473)	468		478
		WIDTH OF BOTTOM PANEL			
11		Width of bottom at aft transom (854)	849		859
12		Width of bottom at 250mm from aft face of transom (934)	929		939
13		Width of bottom at 500mm from aft face of transom (994)	989		999
14		Maximum width of bottom panel.			1030
15		Width of bottom at 1005mm from aft face of transom (1016)	1011		1021
16		Width of bottom at 1500mm from aft face of transom (896)	891		901
17		Width of bottom at 1800mm from aft face of transom (728)	723		733
18		Width of bottom at 1997mm from aft face of transom (580)	575		585
19		Width of bottom at edge-zone line of forward transom (452)	447		457
20	3.2.2.8	Maximum clearance from bottom panel of 300mm straight edge parallel to boat's centreline Maximum clearance from bottom panel of 150mm straight edge parallel to boat's centreline. No hollows allowed.			4 2
21	3.2.2.6 3.2.2.7 3.2.2.9 3.2.2.9	Do curve of bottom and side panels and bow and aft transoms comply with class rules? (On bottom no hollows allowed) — Bottom: (a: Side panels: (b: Bow transom: (c: Aft transom: (d:			Yes/No Yes/No Yes/No Yes/No
		PLEASE TURN HULL			
22	3.2.6.1.f	Horizontal movement of mast at step and mast thwart			3
23	plan	Beam at top of aft transom (970)	960		980
24		Beam at 250 mm from aft face of transom (1056)	1046		1066
25		Beam at 500 mm from aft face of transom (1110)	1100		1120
26		Curve of top of aft transom (35)	30		40

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Item	Rule	Measurement	Min.	ACTUAL	Max.
27		Beam at midship frame aft face (1122)	1112		1132
28		Beam at 1500 mm from aft face of transom (1010)	1000		1020
29		Beam at 1800 mm from aft face of transom (882)	872		892
30		Beam at 1997 mm from aft face of transom (770)	760		780
31		Beam at top of forward transom (564)	559		569
32		Curve of top of forward transom (25)	20		30
33	3.2.6.1(a)	Distance of centre of fixing points for mainsheet blocks to forward face of aft transom (786 &894)	781 889		791 899
34	plans	Position of centre of fixing points for hiking straps. Distance between fixing points on midship frame(360) Height of these fixing points above inside bottom panel (max 40) Aftmost fixing point on centre line on inside bottom panel, distance to forward face of aft transom	350		 370 40 80
35	plan	Distance from aft face of aft transom to forward face of midship frame (1005)	1000		1010
36		Distance from aft face of aft transom to forward upper end of daggerboard slot. (1366)	1361		1371
37		Distance from aft face of aft transom to aftmost upper end of daggerboard slot. (1036)	1031		1041
38		Distance from aft face of aft transom to centre of mast hole in mast thwart (1997)	1992		2002
39	3.2.2.5	Overall length (2300)	2288		2312
40	plan	Limber holes in midship frame and mast thwart bulkhead.		OK / NOK	
41	plan	Height at top of gunwale assembly above mast thwart top side (32 at centre of mast hole)	27		37
42		Height of top of gunwale assembly above bearing surface of mast step (245)	240		255
43	***	Spare. Item number not used	**********	*********	*********
	PLAN	HEIGHT OF TOP OF GUNWALE ASSEMBLY BELOW UPPER BASE LINE (TO BE MEASURED AT HULL CENTRELINE)			
44		At 1997 mm from aft face of transom (64)	54		74
45		At 1800 mm from aft face of transom (73)	63		83
46		At 1500 mm from aft face of transom (85)	75		95
47		At 1005 mm from aft face of transom (97)	87		107
48		At 500 mm from aft face of transom (101)	91		111
49	3.2.2.10 plan	(a) Is daggerboard case top side parallel to upper base line? (max. deviation 5) (b) Depth of aft end of daggerboard slot to underside of bottom panel (308)	 304		5 312
50	***	Spare. Item numbers not used	**********	*********	*********
51	***	Spare. Item numbers not used	**********	*********	*********
52	3.4.5.1	Distance between bearing lines of rudder gudgeons	200		
53		Distance between top of gunwale at aft transom and bearing line of top rudder gudgeon			55
54	***	Spare. Item numbers not used	**********	*********	*********
55	3.2.2.12	Radius at outside edges of hull (max. 5)			5
56	plan	Does shape of the gunwales and gunwale corners comply with plans.		Yes / No	

Page 3/4 Measurer's Signature for this page:.....

ISAF plaque number: .....

Item	Rule	Measurement	Min.	ACTUAL	Max.
57	3.2.4 3.2.5	Are the construction details including thickness of plywood and frames and openings in keeping with plans		OK / NOK	
58	***	Spare. Item number not used	**********	*********	*********
59	3.2.7.1 3.2.7.3	Do buoyancy arrangements comply with class rule? Content of each buoyancy bag in litres (45 litres) Are buoyancy bags made of strong fibre-reinforced material, and each secured by not more and not less than 3 straps. Width of straps (45)	 40 litres 39	Yes / No Yes / No Yes / No	 50 litres 51
		WEIGHT			
60	3.2.7.1	Weight of each inflated buoyancy bag in grams.(200)	200gr.		
61	3.2.8.1 3.2.8.2	(a) Weight of hull excluding buoyancy bags etc.etc. (and excluding correctors if any) (b) Weight of correctors if weight of hull, including buoyancy bags, is less than 35 kg	32 kg		 3 kg

Page 4/4 Measurer's Signature for this page:.....

Declaration by the measurer:

I certify that I have measured and weighed this hull and that, to the best of my knowledge, this hull complies with the Class Rules, Plans and this Measurement form.

Measurer's comments:.....

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Measurer's Signature: .....

Measurer officially recognised by: ..... Date: .....

I certify that I have witnessed a satisfactory buoyancy test (see Rule 3.2.7.5.)

Measurer's Signature: .....

Measurer officially recognised by: ..... Date: .....

Effective: 1st March 1997 Last issue April 1985

This hull measurement form shall only be used for wood or wood/epoxy hulls.