

test- and calibration certificate ORBIMAT 165CB



common datas:

type of machine	serial - no.	serial no.: inverter	assembly done	calibration / test done	safety check done
OM 165 CB	2012-691	45111687	Hajdu M. 21.12.11	Hajdu M. 22.12.2011	Hajdu M. 22.12.2011

functiontest of base assembly:

function	OK	function	OK
gas sensor	<input checked="" type="checkbox"/>	function int. printer	<input checked="" type="checkbox"/>
leakage test, gas	<input checked="" type="checkbox"/>	function ext. printer	<input checked="" type="checkbox"/>
water sensor	<input checked="" type="checkbox"/>	function ext. Monitor	<input checked="" type="checkbox"/>
leakage test, water	<input checked="" type="checkbox"/>	emergency-stop	<input checked="" type="checkbox"/>
weldhead library, version	<input checked="" type="checkbox"/>	115 V - indication in service screen	<input checked="" type="checkbox"/>
serial no. on CF-card	<input checked="" type="checkbox"/>	remote control	<input checked="" type="checkbox"/>
software, version and typ	<input checked="" type="checkbox"/>	remote control of weldhead	<input checked="" type="checkbox"/>
time/date, initial setting	<input checked="" type="checkbox"/>	mount of components	<input checked="" type="checkbox"/>
cold wire feed system	<input checked="" type="checkbox"/>	readings in service screen	<input checked="" type="checkbox"/>
back gas control	<input checked="" type="checkbox"/>	language files	<input checked="" type="checkbox"/>
thermal sensor, water	<input checked="" type="checkbox"/>	function ext. CF-card	<input checked="" type="checkbox"/>
ORBITWIN-function	<input checked="" type="checkbox"/>	auto programming	<input checked="" type="checkbox"/>
function ext. keyboard	<input checked="" type="checkbox"/>	jumpers checked	<input checked="" type="checkbox"/>
keys, frontpanel	<input checked="" type="checkbox"/>	LED 115 V- mode	<input checked="" type="checkbox"/>
inverter communication - errors ?	<input checked="" type="checkbox"/>	testweld 230 V	<input checked="" type="checkbox"/>
calibration of input voltage measurement	<input checked="" type="checkbox"/>	testweld 115 V	<input checked="" type="checkbox"/>
backup-software at Orbimatic	<input checked="" type="checkbox"/>	CAJON - Verdrahtung <input type="radio"/> Yes <input checked="" type="radio"/> No	
motor calibration	<input checked="" type="checkbox"/>	fault current circuit breaker	<input checked="" type="checkbox"/>
		continuous weldtest	<input checked="" type="checkbox"/>
		(X welds)	101

current calibration: (allowed deviation: $\pm 1\%$ from max. output current):

set current	measured	set current	measured	set current	measured
10	9,90	70	69,80	130	129,80
20	19,90	80	80,00	140	139,80
30	29,90	90	89,80	150	150,00
40	39,90	100	99,90	160	160,00
50	49,90	110	109,80	165	165,10
60	59,90	120	119,80		

type of machine	OM 165 CB	serial - no.	2012-691	serial no.: inverter	45111687
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function test LED board

	1	2	3	4	5	6	7	8
A	<input checked="" type="checkbox"/> Fuse 1 Weldhead	<input checked="" type="checkbox"/> Fuse 2 Printer	<input checked="" type="checkbox"/> Fuse 3 Motors	<input checked="" type="checkbox"/> Fuse 4 Pump, PU1	<input checked="" type="checkbox"/> Fuse 5 Computer	<input checked="" type="checkbox"/> Fuse 6 Pump, PU2	<input type="checkbox"/> not used	<input type="checkbox"/> not used
B	<input checked="" type="checkbox"/> PS-WH Weldhead	<input checked="" type="checkbox"/> PS-PR Printer	<input checked="" type="checkbox"/> PS-MOT Motors	<input checked="" type="checkbox"/> not-used	<input checked="" type="checkbox"/> PS-PC Computer	<input checked="" type="checkbox"/> 24-DI int-supply	<input checked="" type="checkbox"/> PS-INV int-supply	<input checked="" type="checkbox"/> U-sense LED A row
C	<input checked="" type="checkbox"/> Keyswitch	<input checked="" type="checkbox"/> Arc-Gas	<input checked="" type="checkbox"/> Water Flow Sensor	<input checked="" type="checkbox"/> Water Pump PS-PU1	<input checked="" type="checkbox"/> Water Pump	<input checked="" type="checkbox"/> Water Pump PS-PU 2	<input checked="" type="checkbox"/> external sensor	<input type="checkbox"/> Arc Starter
D	<input checked="" type="checkbox"/> Gas Valve	<input checked="" type="checkbox"/> Fan 1 left side	<input checked="" type="checkbox"/> Fan 2 right side	<input checked="" type="checkbox"/> Start Stop Key (WH-T)	<input checked="" type="checkbox"/> Gas Test Key (WH-E)	<input checked="" type="checkbox"/> Motor Key (WH-S)	<input checked="" type="checkbox"/> Home Key (WH-D)	<input checked="" type="checkbox"/> Home Switch (WH-A)
E	<input checked="" type="checkbox"/> Motor Relay	<input checked="" type="checkbox"/> Twin Switch	<input checked="" type="checkbox"/> Weldhead ID Bit 0(WH-L)	<input checked="" type="checkbox"/> Weldhead ID Bit 1(WH-M)	<input checked="" type="checkbox"/> Weldhead ID Bit 2(WH-N)	<input checked="" type="checkbox"/> Weldhead ID Bit 3(WH-U)	<input checked="" type="checkbox"/> Weldhead ID Bit 4(WH-W)	<input type="checkbox"/> Ext. Jumper (WH-G)

test and calibration done, datas above confirmed:

J. Kurth
name

13.03.2012
date

J. A. J. Kurth
signature

check before delivery:

function	Ok	function	Ok
instruction manual (language)	<input checked="" type="checkbox"/>	weldhead library, updating	<input checked="" type="checkbox"/>
keyboard	<input checked="" type="checkbox"/>	calibration certificate	<input checked="" type="checkbox"/>
language	<input checked="" type="checkbox"/>	metal plate with serial no.	<input checked="" type="checkbox"/>
gas hoses	<input checked="" type="checkbox"/>	name plate and caution lable	<input checked="" type="checkbox"/>
pressure reducer	<input type="checkbox"/>		<input type="checkbox"/>
all screws are tighten	<input checked="" type="checkbox"/>		<input type="checkbox"/>

final check done:

J. Kurth
name

13.03.2012
date

J. A. J. Kurth
signature

Test- and Calibration Certificate: ORBIMAT 165CA

Common dates:

Type of Machine	Serial – no.	Seria No.: Inverter	Assembly Done	Calibration/ Test done	Safety Check Done
OM 165 CB	2012-691	45111687	JOHNNY 24.4.2016	JOHNNY 24.4.2016	JOHNNY 25.4.2016

Functional test of base assembly:

Hardware function	OK	Hardware Function	OK
Gas Sensor	<input checked="" type="checkbox"/>	Testweld 230 V	<input checked="" type="checkbox"/>
Leakage test, Gas	<input checked="" type="checkbox"/>	Tetsweld 115 V	<input checked="" type="checkbox"/>
Water sensor	<input checked="" type="checkbox"/>	Remote control of weldhead	<input checked="" type="checkbox"/>
Leakage test, Water	<input checked="" type="checkbox"/>	Jumpers Checked	<input checked="" type="checkbox"/>
Back Gas Control	<input checked="" type="checkbox"/>	Mount of components	<input checked="" type="checkbox"/>
Thermal Sensor, Water	<input checked="" type="checkbox"/>	Serial no. On CF-card	<input checked="" type="checkbox"/>
Cold wire feed system	<input checked="" type="checkbox"/>		
Rotation control	<input checked="" type="checkbox"/>	Software Function	OK
ORBITWIN-function	<input checked="" type="checkbox"/>	Time/date, initial setting	<input checked="" type="checkbox"/>
Function ext. Keyboard	<input checked="" type="checkbox"/>	Readings in service screen	<input checked="" type="checkbox"/>
Inverter communication – errors	<input checked="" type="checkbox"/>	Workhour counter	<input checked="" type="checkbox"/>
Calibration of input voltage measurement	<input checked="" type="checkbox"/>	Auto programming	<input checked="" type="checkbox"/>
Second level gas pressure	<input checked="" type="checkbox"/>	Language files	<input checked="" type="checkbox"/>
Knob	<input checked="" type="checkbox"/>	Weldhead library, version	<input checked="" type="checkbox"/>
Menu Softkeys 10 V	<input checked="" type="checkbox"/>	Software, version and typ	<input checked="" type="checkbox"/>
BUP control	<input checked="" type="checkbox"/>		
Function int. printer	<input checked="" type="checkbox"/>	Final check	OK
Function ext. printer	<input checked="" type="checkbox"/>	Backup-software at Orbimatic	<input checked="" type="checkbox"/>
Function ext. monitor	<input checked="" type="checkbox"/>	Continuous weldtest	<input checked="" type="checkbox"/>
Remote control	<input checked="" type="checkbox"/>	(X welds)	<input checked="" type="checkbox"/>
Cardreader	<input checked="" type="checkbox"/>	Fault current circuit breaker	<input checked="" type="checkbox"/>

Current calibration: (allowed deviation: $\pm 1\%$ from max. Output current):

Set current	Measured	Set current	Measured	Set current	Measured
10	10.10	70	69.99	130	130.01
20	19.98	80	80.00	140	140.00
30	30.01	90	90.02	150	150.02
40	40.08	100	100.00	160	159.99
50	49.98	110	110.06	165	165.01
60	60.09	120	120.03		

Type of machine	OM 165 CB	Serial- No.	2012-691	Serial No.: Inverter	45111687
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Function Test LED board

	1	2	3	4	5	6	7	8
A	<input checked="" type="checkbox"/> Fuse 1 Weldhead	<input checked="" type="checkbox"/> Fuse 2 Printer	<input checked="" type="checkbox"/> Fuse 3 Motors	<input checked="" type="checkbox"/> Fuse 4 Pump, PU1	<input checked="" type="checkbox"/> Fuse 5 Computer	<input checked="" type="checkbox"/> Fuse 6 Pump,PU2	<input type="checkbox"/> Not used	<input type="checkbox"/> Not used
B	<input checked="" type="checkbox"/> PS-WH Weldhead	<input checked="" type="checkbox"/> PS-PR Printer	<input checked="" type="checkbox"/> PS-MOT Motors	<input checked="" type="checkbox"/> Not used	<input checked="" type="checkbox"/> PS-PC Computer	<input checked="" type="checkbox"/> 24-DI Int-supply	<input checked="" type="checkbox"/> PS-INV Int-Supply	<input checked="" type="checkbox"/> U-sense LED A row
C	<input checked="" type="checkbox"/> Keystroke	<input checked="" type="checkbox"/> Arc Gas	<input checked="" type="checkbox"/> Water Flow Sensor	<input checked="" type="checkbox"/> Water Pump PS PU1	<input checked="" type="checkbox"/> Water Pump	<input checked="" type="checkbox"/> Water Pump PS PU2	<input checked="" type="checkbox"/> External Sensor	<input type="checkbox"/>
D	<input checked="" type="checkbox"/> Gas Valve	<input checked="" type="checkbox"/> Fan 1 Left Side	<input checked="" type="checkbox"/> Fan 1 Right side	<input checked="" type="checkbox"/> Start Stop Key (WHL1)	<input checked="" type="checkbox"/> Gas test Key (WHL2)	<input checked="" type="checkbox"/> Motor Key (WHL3)	<input checked="" type="checkbox"/> Home Key (WHL4)	<input checked="" type="checkbox"/> Home Switch (WHLA)
E	<input checked="" type="checkbox"/> Motor Relay	<input checked="" type="checkbox"/> Fan Switch	<input checked="" type="checkbox"/> Weldhead ID Bit 1(WHL1)	<input checked="" type="checkbox"/> Weldhead ID Bit 2(WHL2)	<input checked="" type="checkbox"/> Weldhead ID Bit 2(WHL3)	<input checked="" type="checkbox"/> Weldhead ID Bit 3(WHL4)	<input checked="" type="checkbox"/> Weldhead ID Bit 4(WHLA)	<input type="checkbox"/>


Test and calibration done, data above confirmed:

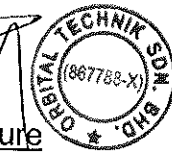
Johnny Ong

26.4.2016

Name

Date


Signature



Check before delivery:

Function	<input checked="" type="checkbox"/>	Function	<input checked="" type="checkbox"/>
Instruction manual (Language)	<input checked="" type="checkbox"/>	Weldhead library, updating	<input checked="" type="checkbox"/>
Keyboard	<input checked="" type="checkbox"/>	Calibration certificate	<input checked="" type="checkbox"/>
Language	<input checked="" type="checkbox"/>	Metal plate with serial no	<input checked="" type="checkbox"/>
Gas hoses	<input checked="" type="checkbox"/>	Name plate and caution label	<input checked="" type="checkbox"/>
Pressure reducer	<input type="checkbox"/>	Extra waterhose	<input checked="" type="checkbox"/>
All screws are tighten	<input checked="" type="checkbox"/>	Workhour counter zero reset	<input checked="" type="checkbox"/>

Final check done:

Johnny Ong

26.4.2016

Name

Date


Signature

