



CHECKMASTER 9000

Validation equipment



DECLARATION OF CONFORMITY
acc. to the EC Low Voltage Directive 73/23/EEC, acc. to the EC EMC Directive 89/336/EEC

FÖRSÄKRAN OM ÖVERENSSTÄMMELSE
enligt lågspänningsdirektivet 73/23/EEG, enligt EMC-direktivet 89/336/EEC

Fill in and put a cross in appropriate boxes Fyll i och kryssa tillämpliga rutor

Type of equipment Materialslag

Validation test unit

Brand name or trade mark Fabrikatnamn eller varumärke

ESAB

Type designation etc. Typbeteckning etc.

CHECKMASTER 9000 from Serial No. 740 xxx xxx

Manufacturer's name, address, telephone No, telefax No: Tillverkarens namn, adress, telefon, telefax:

Esab Welding Equipment AB

Walter Edströms väg, 695 81 LAXÅ, SWEDEN

Phone: +46 584 81000, FAX: +46 584 411 924

Manufacturer's authorised representative established within the EEA: Name, address, telephone No, telefax No:
Tillverkarens representant inom EES: Namn, adress, telefon, telefax:

The following harmonised standards or technical specifications (designations) which comply with good engineering practice in safety matters in force within the EEA have been used in the design:
Följande harmoniserade standarder eller tekniska specifikationer (beteckningar) som uppfyller god säkerhetsteknisk praxis inom EES har använts i konstruktionen:

EN 60 974-1	Safety requirements for arc welding equipment Part 1. Welding power sources
EN 50 199	Electromagnetic compatibility (EMC) Product Standard for arc welding equipment

1. The equipment conforms completely with the above stated harmonised standards or technical specifications.
Materielen överensstämmer helt med ovan angivna harmoniserade standarder eller tekniska specifikationer.

OR ELLER

2. The equipment conforms only partially with the above stated harmonised standards or technical specifications but complies with good engineering practice in safety matters in force within the EEA.
Materielen överensstämmer endast delvis med ovan angivna harmoniserade standarder eller tekniska specifikationer men uppfyller god säkerhetsteknisk praxis inom EES.

Additional information Övriga uppgifter: Immunity: with remote control, 5V/m - criteria A, 10V/m - criteria B.

By signing this document, the undersigned declares as manufacturer, or the manufacturer's authorised representative established within the EEA, that the equipment in question complies with the safety requirements stated above.

Genom att underteckna detta dokument försäkras undertecknad såsom tillverkare, eller tillverkarens representant inom EES, att angiven materiel uppfyller säkerhetskraven angivna ovan.

Manufacturer
Tillverkare

or
eller

Manufacturer's authorised representative
Tillverkarens representant

Date Datumi
Laxå 1998.05.06

Signature Underskrift

Clarification namnförtydligande

Anders Birgersson

Position Befattning
Managing Director

Description CHECKMASTER 9000

The CHECKMASTER 9000 is intended for resistive loading of welding power source. It incorporates instruments for checking, validating and calibrating power source.

With CHECKMASTER connected to a power unit, you can check that actual measured values of voltage, current and settings agree with the set values, values displayed on instruments etc or rated data.

CHECKMASTER 9000 is calibrated against traceable calibration instruments, which means that calibration of power sources is also traceable.

The equipment is 500 x 450 x 350 mm in size and weights about 17 kgs.

Handles enable it to be easily moved, while a storage compartment in the top of the unit holds mains cables and measuring cables.

CHECKMASTER is intended for connection to a 230 ~ 50 Hz power supply. Its own power requirement is about 100W.

Four rotary switches on the front panel allow the unit's resistive load to be changed so that it can set the welding currents from zero to about 600A, in a step of 18A. Fine adjustment provides a further 11 steps for 1A/step.

NOTE

When testing a power source with an open-circuit voltage more than 50V, start to switch on the coarse setting first!

If not, the fine adjustment resistor will burn.

Warning lamp, marked "OVERLOAD", indicates if CHECKMASTER is overloaded. If this lamp lights, the load current must be turned off immediately. The indicating lamp will go out when you reset the overload protection.

Four digital instruments display measured values of current and voltage.

The equipment is suitable for measured values of current and voltage.

The equipment is suitable for measuring DC, current and voltage.

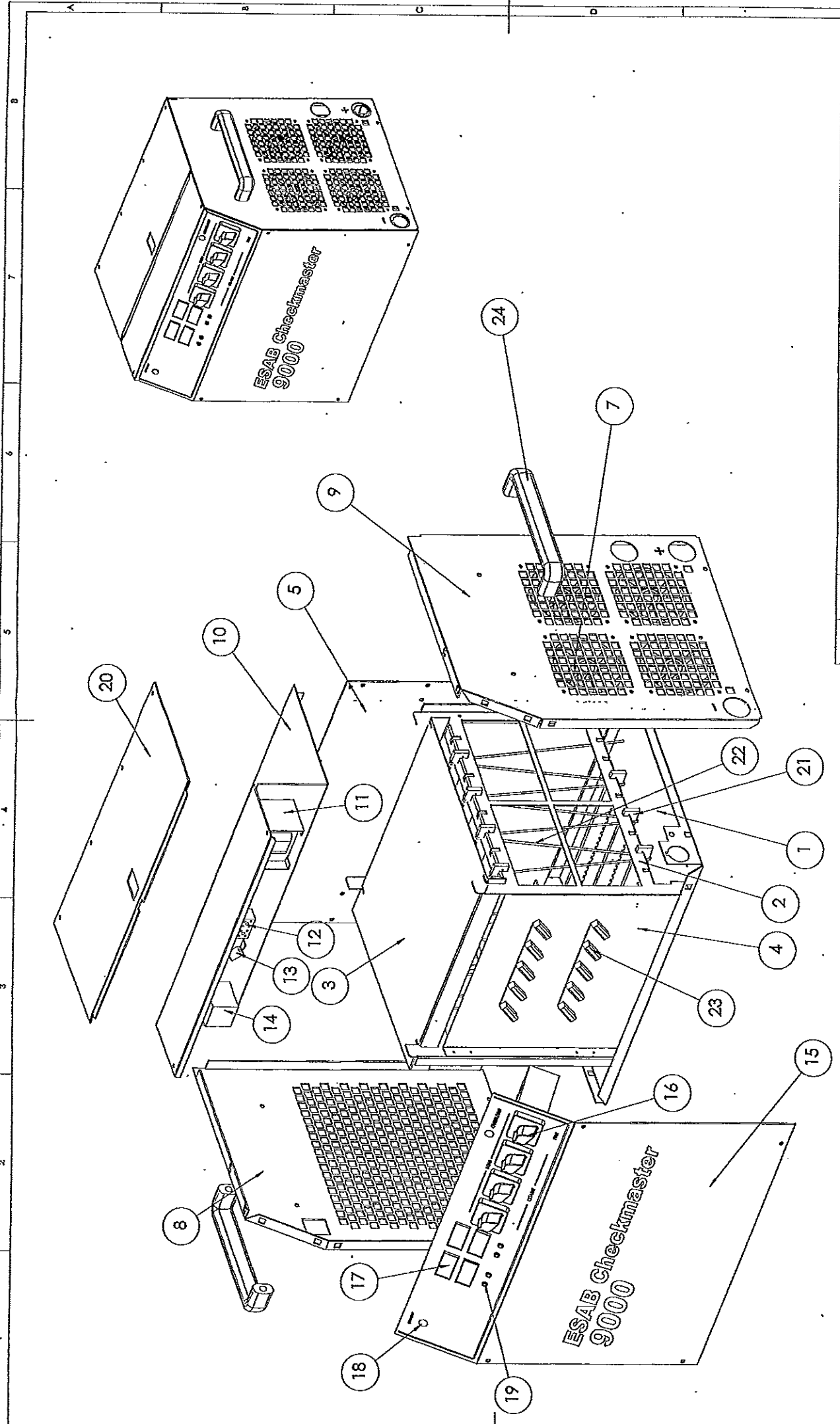
In the DC mode, inaccuracy of measurement is 0,6% for voltage at 20,0V and 0,55% for current at 600A.

Separate measurement connection points allow external instruments to be connected.

When using the equipment to validate or calibrate power units, it must be allowed to warm up for at least 30 minutes before measurements are made.

The following items are included with the CHECKMASTER 9000:

- Mains cable.
- Measurement/instrument cables for connection to the power unit via its OKC connector.



Pos.No.	Qty	Designation	Material quality	Dimension notation
References			Accepted for prod. by	
SolidWorks '97P		<input checked="" type="checkbox"/> 3D Model	Drawn by	
CAD	Scale	1:5	H. Johansson	
			Year	97
			Week	47
Tolerances for uncontrolled dimensions acc. to ISO 2768-1				
Sammanställning			740505-880	
Checkmaster 9000			Format A.3	

ESAB
After Sales Dept.
740505-880
Format A.3

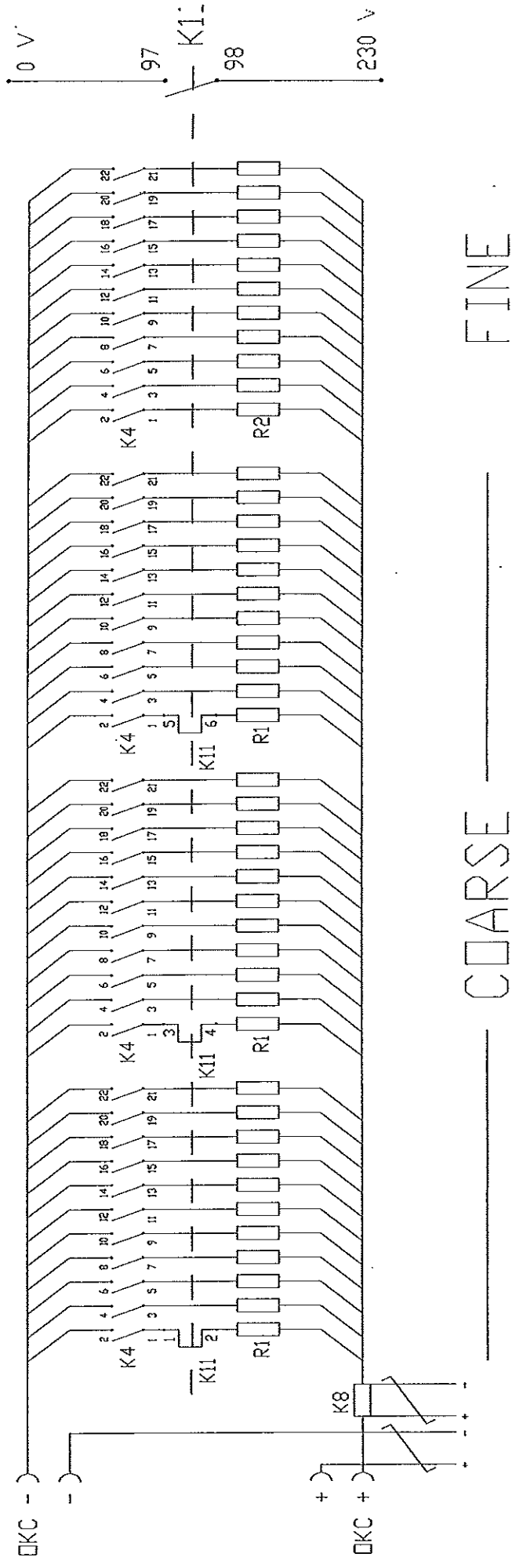
CHECKMASTER 9000

Spare parts

Pos	Quantity	Denomination	Article number
1	1	Cover plate, base	740505-001
2	2	Side plate	740505-034
3	2	Screen plate	740505-017
4	2	Screen plate	740505-019
5	1	Rear plate	740505-005
6	1	Hinge	740505-038
7	4	Fan	365539-001
8	1	Side plate, left	740505-010
9	1	Side plate, right	740505-033
10	1	Box	740505-006
11	1	Control transformer	468028-001
12	1	Connection block	523104-103
13	1	Rectifier	193316-208
14	1	Overload protection	740505-026
15	1	Cover plate, front	740505-004
16	4	Switch (new)	740505-035
17		Digital instrument VDC	740505-027
		Digital instrument ADC	740505-028
		Digital instrument VAC	740505-036
		Digital instrument AAC	740505-037
18	1	Lamp, white	192576-006
19	3	Sleeve socket (blue)	740505-020
	3	Sleeve socket (red)	740502-021
20	1	Cover plate	740505-007
21	7	Isolation rod	740505-014
22	33	Resistor wire	740505-018
23	11	Resistor	740505-015
24	2	Handle	467176-001
25	1	Shunt	740505-039

CHECKMASTER 9000

CIRCUIT DIAGRAM, Resistor block



- K 4 Switch
- K 8 Shunt
- K 11 Thermal overload relay
- R 1 Resistance wire
- R 2 Resistor

1500 A, 60 mV (0.2 %)
 18
 2.25 Ω, (0.3x4.0x1850 mm)
 11 x 33 Ω, 50 W

Checkmaster 9000

