

System VDT for Windows

Installation

- The System VDT software is compatible with Microsoft Windows 3.11, 95, 98, ME, 2000, XP
- Insert the CD-ROM into the CD drive. The installation starts automatically.
- For 3.11 type [CDROM]:\vdtcd.exe
- Follow the prompts to install the System VDT for Windows software
- Choose small fonts in the Monitor setup
- To run the program, double-click on the "System VDT" icon

File

New Test Object

Manufacturer: Combinova AB

Applicant: Peter Svedmyr

Model / Type: VDU 17

Comment: Comments for report.

Diagonal in inches: 17 Upside Down

TestNo.	Resolution	SSA	SSB	SSC	MPR2	TCO	DATE1020	TIME1020	DESCRIPT
10	1024*760	Yes	No	No	Yes	Yes			Test of vdt win

Double-click

Delete Test New Test Cancel OK

Test Description

Manufacturer: Combinova AB
Applicant: Peter Svedmyr
Model / Type: VDU 17
Comment: Comments for report.

Test Comment:

Standards
 SSA MPR2
 SSB TCO
 SSC

No. samples: X-Y-Z
Resolution:

Horizontal freq. KHz
Vertical freq. Hz

Please, choose the relevant standards and categories for the measurement.

SSA: SS 436 9410, Category A

MPR2: MPR 1990:10

SSB: SS 436 9410, Category B

TCO: TCO-95 and TCO-92

SSC: SS 436 9410, Category C

Set No. of samples for every unique measurement point, (1-10), or choose X-Y-Z for independent measurement for each single axis.

Select Test Object

Seek: **Order:**

Object	Manufacturer	Applicant	Model	Comment
24	LG Electronics Inc	XXXXXX	T20 xxx	Note
4	Combinova AB	Peter Svedmyr	VDU 17	Comments for report.

You may search for a Test Object by using Object, Manufacturer, Applicant or Model as search strings.

MFM10

Parameters Baudrate: 4800
 Unit: B in uT
 Beeper: On/Off
 Com port: Fiber System

EFM200 Alternating electrical field measurement

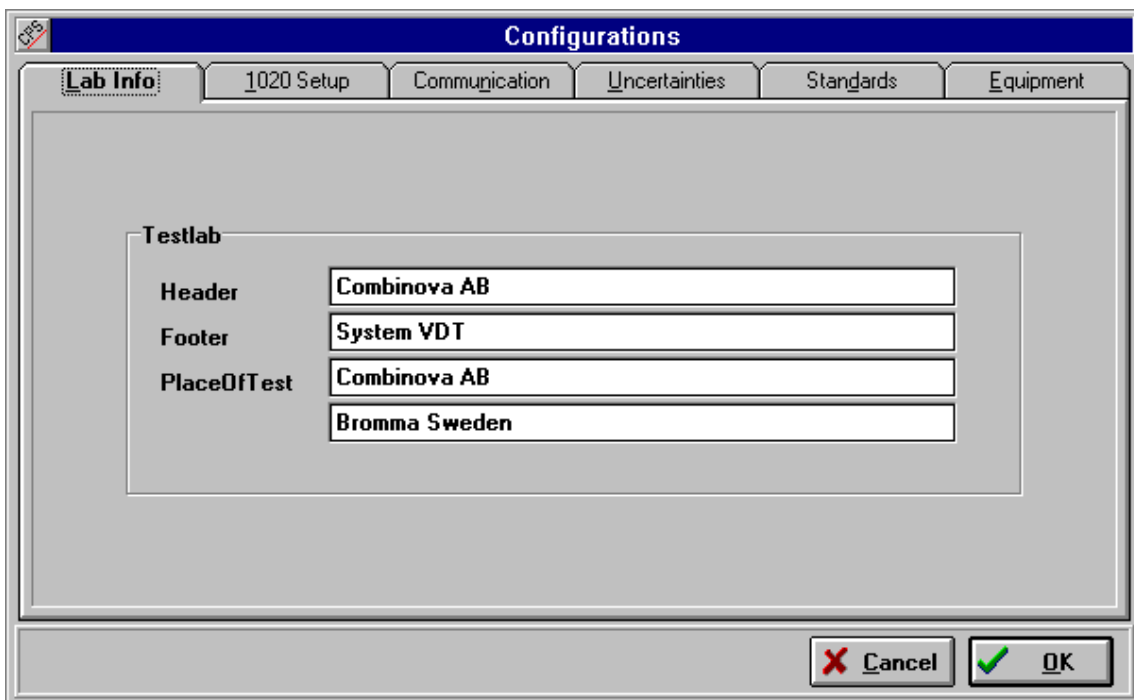
Measurement ELF+VLF
Parameters Papersize: Computer
 Baudrate: 4800
 Beeper: On/Off
 Com port: Fiber 2 way
 Com mode: Computer

EFM200 Electrostatic field measurement

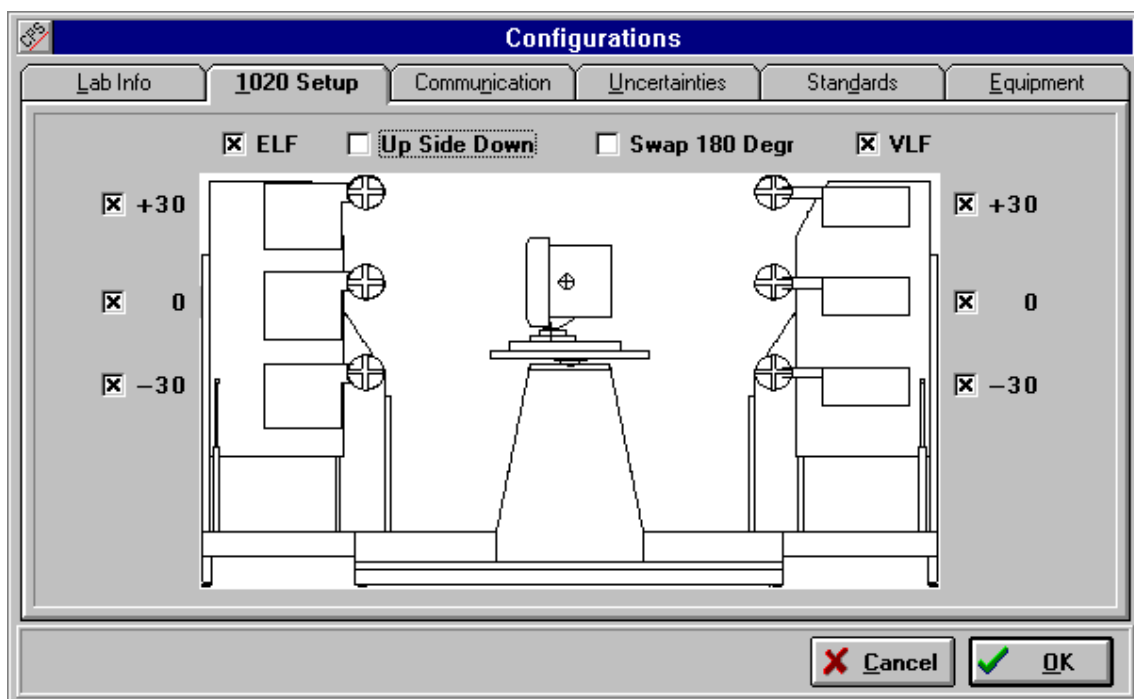
Measurement Start EP-logging
Parameters Papersize: Computer
 Baudrate: 4800
 Beeper: On/Off
 Com port: Fiber 2 way
 Com mode: Computer
 Type of EPLog: SS
EPLogparameters: Limit of U: 4kV/m
 Time: 20 min

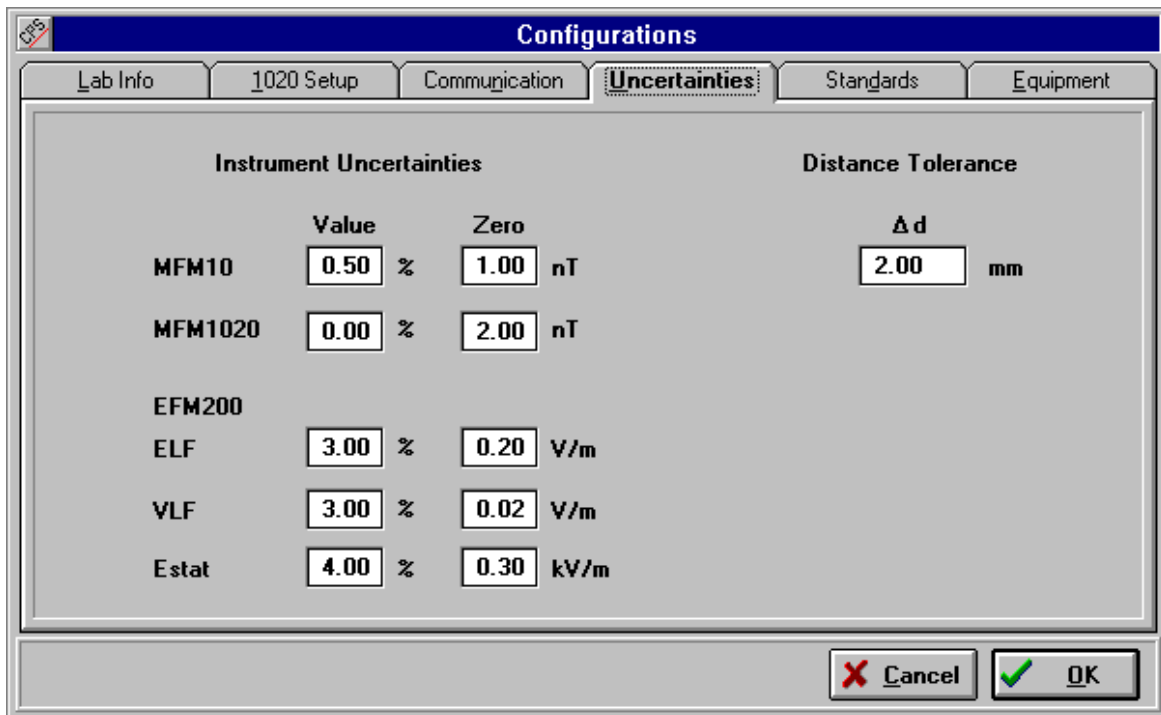
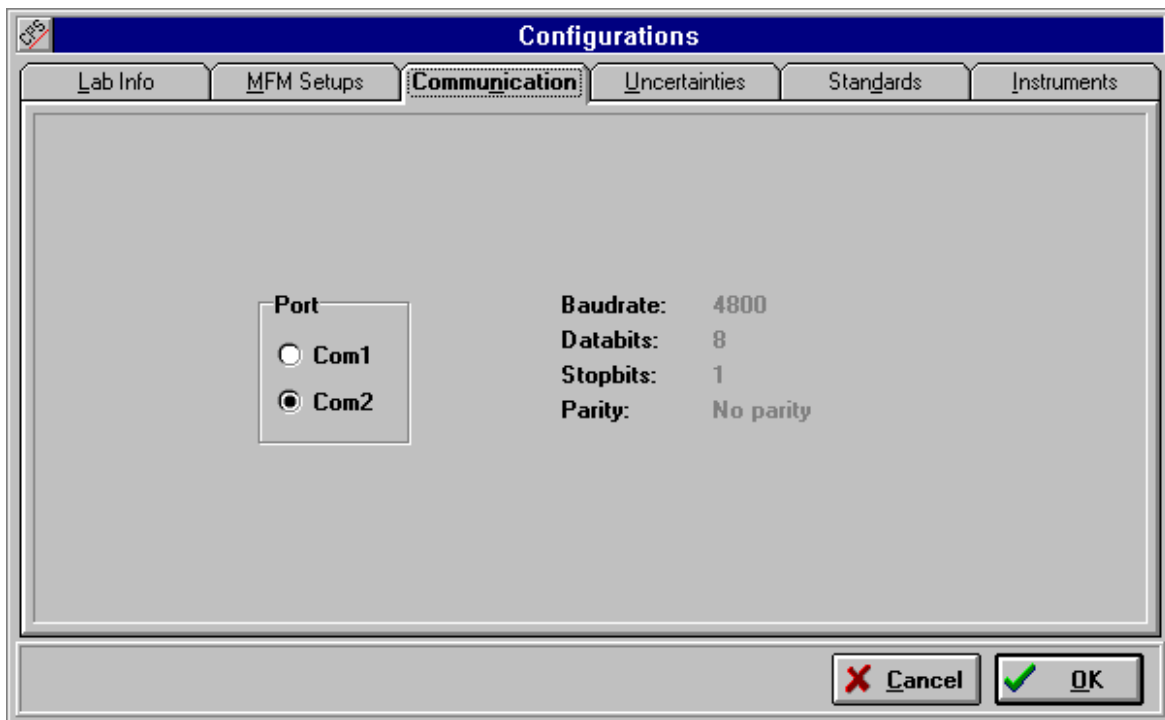
EFM100

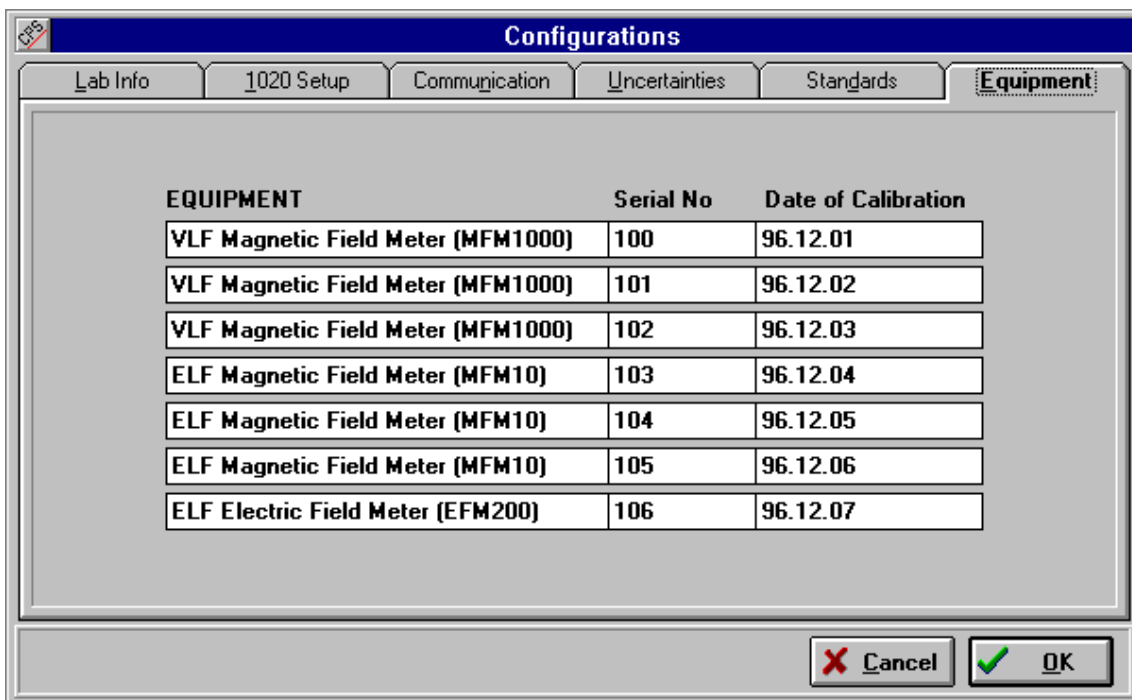
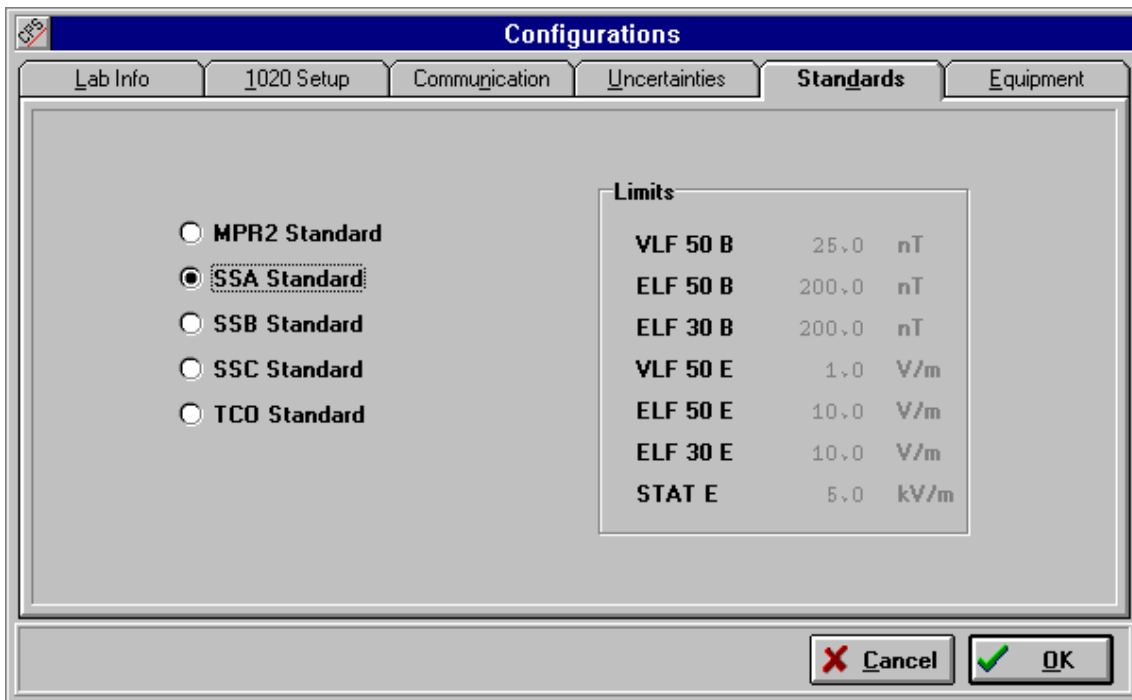
Mode Remote control: On
 Remote control: Computer
 Measurement speed: Normal
 Measurement: ELF+VLF
 Charging: Normal



Presentation in report.







Start measurement

Restart measurement

Stop

Save

Exit

Magnetic Fields

B in [nT]

Angle\Instr	MFM1020 30	MFM1020 0	MFM1020 -30	MFM10 30	MFM10 0	MFM10 -30
0.0 dgr	9.4	9.8	7.3	125.3	138.5	115.2
22.5 dgr	10.1	10.8	7.5	145.1	156.2	130.0
45.0 dgr	10.6	12.4	8.9	166.2	187.7	151.8
67.5 dgr	10.9	13.5	9.2	182.3	216.4	168.9
90.0 dgr	10.9	14.1	9.9	194.6	231.6	175.2
112.5 dgr	11.1	13.8	9.8	188.5	224.7	172.5
135.0 dgr	10.0	13.0	9.4	180.2	199.9	155.0
157.5 dgr	8.4	11.1	8.3	161.9	178.0	141.9
180.0 dgr	8.8	11.6	8.5	155.6	157.8	138.0
202.5 dgr	10.4	14.8	10.5	151.3	174.5	134.2
225.0 dgr	11.7	16.4	12.0	189.5	232.4	172.0
247.5 dgr	11.7	16.3	12.3	200.6	246.0	186.9
270.0 dgr	10.7	15.2	11.7	197.9	239.6	181.8
292.5 dgr	9.9	13.5	10.2	178.8	211.7	156.8
315.0 dgr	9.4	11.9	9.4	154.9	178.9	140.0
337.5 dgr	9.2	10.5	7.9	130.5	146.8	120.6
Background	2.6	2.6	2.8	104.0	96.0	91.0

Value at 30 cm: In upside down mode:

Object number: 7 Applicant: Peter Svedmyr
 Manufacturer: Combinova AB Model: VDU 17
 Comments: Comments for report.

Measurements according to MPR2, SSA standard

All points measured

EXPANDED MFM1020 VALUES

Height: 30 cm Angle: 67.5 dgr

Type of instrument: MFM1020 Instrument No: 3

	Mean	Std.dev.	Max	Min
B	10.9	1.2	12.8	9.2
Frq	111.5	2.0	114.0	108.0

EXPANDED MFM1020 VALUES

Height: 0 cm Angle: 270.0 dgr

Type of instrument: MFM10 Instrument No: 5

	Mean	Std.dev.	Max	Min
B	239.600	5.400	246.000	228.000
Frq	53.4	0.2	53.6	53.3

The main window, titled "Electric Fields", displays a table of measurements for E in [V/m]. The table includes columns for Angle\Instr, ELF, and VLF. The data is as follows:

Angle\Instr	ELF	VLF
0 dgr	10.59	1.125
90 dgr	22.90	0.251
180 dgr	23.00	0.183
270 dgr	7.98	0.436
Background	7.31	0.038
At 30 cm	12.05	2.260

Additional information in the main window includes:

- Object number: 7
- Manufacturer: Combinova AB
- Applicant: Peter Svedmyr
- Model: VDU 17
- Comments: Comments for report.
- Measurements according to MPR2, SSA standard
- All points measured

Two expanded windows are shown below the main window:

- Expanded window 1 (Measurement at 90 degrees):**
 - ELF E-value [V/m]: 22.90
 - ELF Frequency-value [Hz]: 50.0
- Expanded window 2 (Background measurement):**
 - VLF E-value [V/m]: 0.038
 - VLF Crestfactor-value: MISSING

Please, note that you have to mount the right probe for electric field measurements using the EFM200 instrument.

How to perform the measurement.

- Select "ELF + VLF" in the measurement mode for the EFM200 instrument and press *ENTER*.
- The EFM200 instrument will respond "Waiting for start"
- Start the measurement from the System VDT software.

Electrostatic Field		
E in [kV/m]		
Time (Min:Sec)	E	
03	0.30	
06	0.62	
09	0.49	
12	0.46	
15	0.43	
18	0.42	
21	0.40	
24	0.40	
27	0.39	
30	0.39	
33	0.38	
36	0.38	
39	0.38	
42	0.38	
45	0.37	
48	0.38	
51	0.37	

Object number: 7
 Manufacturer: Combinova AB
 Applicant: Peter Svedmyr
 Model: VDU 17
 Comments: Comments for report.

Measurements according to TCO, SSA standard

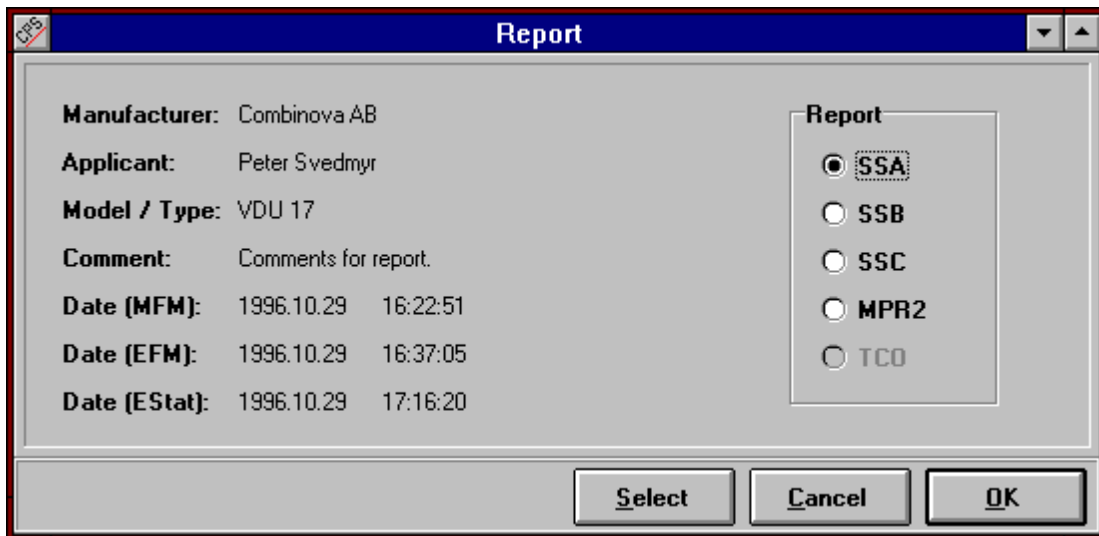
All EFM200 data read

Please, note that you have to mount the right probe for electrostatic field measurements using the EFM200 instrument.

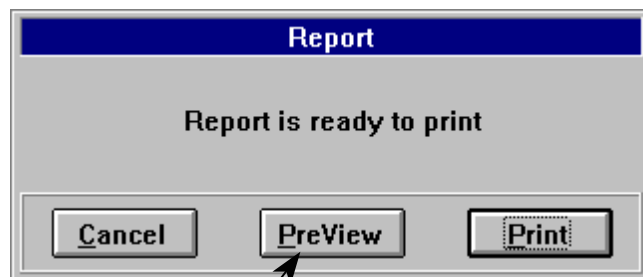
How to perform the measurement.

- Select "Start EP-logging" in the measurement mode for the EFM200 instrument after selecting:
- time = 20min., U limit =4kV/m, SS* type, in "type of EP Logg" in the parameters mode.
- Put the EFM200 in operation by starting the measurement manually.
- When the measurement is completed, please click on "Start Measurement" in the VDT System for windows. The program will respond: "waiting for EFM200 logged data"
- Select "EP-Logg" in the print mode for the EFM200 instrument, press enter, and the VDT System for windows will import the measurement data.

The setup for the EFM200 shall always be the same as stated above, no matter if you want to measure against the MPR2 standard. The VDT System for windows will automatically transform the measured values.



Open and select a test object the same way as how you performed a measurement.



Get a preview of your report, please see next page.

Full screen

Print report

Save report

Load report

Next page in Test Report

QuickReport version 1.0d

Page 1 of 1

Combinova AB

Page 1 of 5

Test Report

Test Report No. : 14
Manufacturer : Combinova AB
Applicant : Peter Svedmyr
Model / Type : VDU 17
Display Mode : Horizontal frequency 17
Vertical frequency 80
Resolution 1024*768
Comment : Comments for report.
Standard : SS Category A
Place of Testing : Combinova AB
Bromma Sweden
Test Result :

Tested by

Checked by

1996.11.1

Date Signature

1996.11.1

Date Signature

System VDT