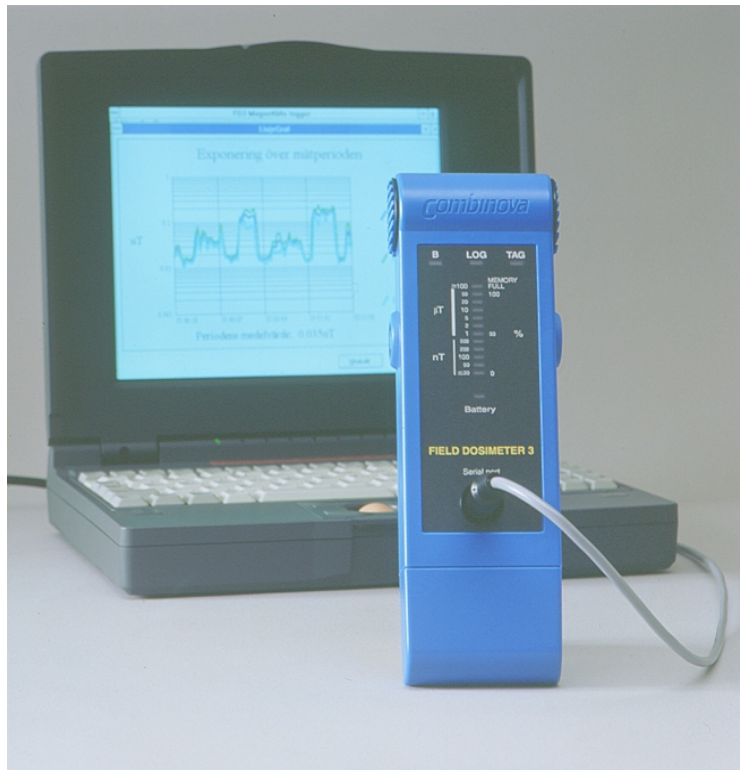


System FD 3 is a powerful and easy to use tool for data collection and analysis of low frequency magnetic field exposure in industrial, office and residential environments.

System FD 3 is a combined dosimeter and direct-reading magnetic field meter. The ability to examine magnetic field exposure over periods of an hour, a workday or a 24-hour period provides very useful information about the distribution and variation of magnetic fields against time. A change in the work routine can be all that is required to reduce the total magnetic field exposure.

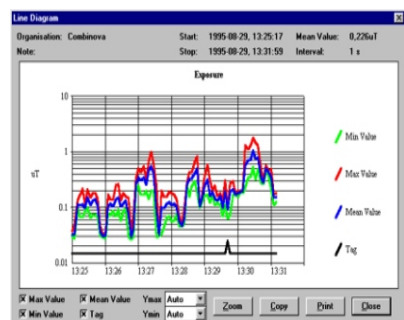
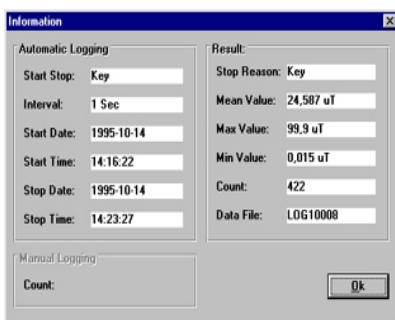
System FD 3 consists of one or more portable dosimeter instruments for data collection, together with a powerful Windows-based application for measurement configuration, graphical analysis and presentation.



System FD 3 is used as a automatic dosimeter for exposure measurements where large variations of local magnetic fields occur in a space or over time. The dosimeter is loaded from a personal computer (PC) with measurement interval and mode parameters, date and time, location and contact person.

System FD 3 can measure the total exposure during a workday or around a special series of events. The dosimeter can store one measurement per second corresponding to 16 hours continuous use. This is equivalent to more than 60 000 measurements.

System FD 3 combines modern powerful personal computers with the very latest advanced measurement technology. The study of the average magnetic field exposure can give, in many instances, a much clearer view of the work environment.



SYSTEM FIELD DOSIMETER 3



TECHNICAL DATA

Dosimeter

Measurement range:	10 nT - 105 T, manual 10 nT - 99,9 T, logging
Frequency range:	20 - 2 000 Hz, -3dB
Sensor system:	3 axis coil system
Resolution of measured value:	1 %, logging
Measurement accuracy:	+/- 5% at 15-25 °C
Temperature range:	-10 - +40 °C
Data storage memory:	60 000 measurements
Communication:	RS232 with serial adapter
Batteries:	2 x 1.5 V R6 (AA size)
Operating time:	30 hours of measurement
Weight incl batteries:	290 gram
Size:	205x70x35 mm

Specifications subject to change without notice.

Application

Manual operation 1-30 measurements per occasion Meanvalue is calculated for every measurement
Automatic operation 1-600 seconds measurement interval - Manual Start/Stop - Date/Time - Repetition every 24 hours
Internal automatic operation One measurement every 10 seconds
Presentation of result - Linediagram incl max, min and meanvalue - Bardigram showing meanvalue per hour - Data export using DBF file format
Result storage - 3 axis - XYZ separated
System requirements - Intel 80386, 80486 or Pentiumbased PC (or compatible) with at least 4 MB of RAM - Windows 98(or later) - One available serial port

Order number:

- 42-01 FD 3 dosimeter (includes batteries and leather protective case)
- 42-10 System FD 3 (*) Swedish version / 220VAC
- 42-20 System FD 3 (*) English version / 110VAC
- 42-30 System FD 3 (*) English version / 220VAC

(*) System FD 3 includes one dosimeter, serial adaptor, power supply, batteries, leather protective case, program diskettes and user handbook.

Warranty:

Warranty includes material and manufacturing failures up to one year after delivery date.

Calibration:

The FD 3 dosimeter is adjusted during manufacturing. The individual correctionvalues are digitally stored in an EEPROM. Thereafter is the dosimeter calibrated.

Other products from Combinova

- FD 1 Measures electric- and magnetic fields in the ELF frequency range (MPR band I)
- FD 2 Measures electric- and magnetic fields in the VLF frequencyrange (MPR band II)



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