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YSHIELD EMR-Protection
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EMR-Meters (High-frequency) 1/5



High Frequency Analyser

27 / 800 MHz to 2.5 / 6 GHz

GSM / UMTS(3G) mobile radio, DECT cordless telephones
 WLAN, radar, microwave ovens, TETRA, TV, etc.
 (as of August 1st 2007)

HF-Analyser	Accessory Prices(EU)		Personal assessment				Professional analysis			
	HF32D	HF35C	HF38B	HF35C	HF58B-r	HF58B	HF59B	HF59B	HF59B	
Prices for EU countries incl. 19% VAT (currency: Euros) Prices for non-EU countries excl. VAT (currency: US-Dollars)	189.00 317.65	295.00 495.80	474.10 796.80	695.20 1,168.40	994.60 1,671.60	828.00 1,391.60	1,166.20 1,960.00	1,725.50 2,900.00		
Frequency range	✓	✓	✓	✓	✓	✓	✓	✓	✓	
800 MHz to 2,500 MHz (=2.5 GHz) Basic instrument incl. antenna 800 MHz to 2,500 MHz (applicable up to 3,300 MHz with additional tolerance) Basic instrument incl. antenna 27 MHz to 2,500 MHz* Supply includes LogPer-Antenna for 800 MHz upwards and UBB antenna for 27 MHz upwards *HF59B: Supply includes LogPer-antenna for 800 MHz upwards. Internally "open" down to 27 MHz, prepared for a connection of the UBB27 2,400 MHz to 6,000 MHz (e.g. WLAN, WiMAX, various radar) Basic device plus antenna (10GHz-device based on the HF59 in preparation)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Measurement ranges ⁽¹⁾ (approx. 33 dB per measurement range)	10 - 19,990 µW/m ² 1 - 1,999 µW/m ² 0.1 - 199.9 µW/m ² 0.01 - 19.99 µW/m ²	10 - 19,990 µW/m ² 1 - 1,999 µW/m ² 0.1 - 199.9 µW/m ² 0.01 - 19.99 µW/m ²	10 - 19,990 µW/m ² 1 - 1,999 µW/m ² 0.1 - 199.9 µW/m ² 0.01 - 19.99 µW/m ²	10 - 19,990 µW/m ² 1 - 1,999 µW/m ² 0.1 - 199.9 µW/m ² 0.01 - 19.99 µW/m ²	10 - 19,990 µW/m ² 1 - 1,999 µW/m ² 0.1 - 199.9 µW/m ² 0.01 - 19.99 µW/m ²	10 - 19,990 µW/m ² 1 - 1,999 µW/m ² 0.1 - 199.9 µW/m ² 0.01 - 19.99 µW/m ²	10 - 19,990 µW/m ² 1 - 1,999 µW/m ² 0.1 - 199.9 µW/m ² 0.01 - 19.99 µW/m ²	10 - 19,990 µW/m ² 1 - 1,999 µW/m ² 0.1 - 199.9 µW/m ² 0.01 - 19.99 µW/m ²	10 - 19,990 µW/m ² 1 - 1,999 µW/m ² 0.1 - 199.9 µW/m ² 0.01 - 19.99 µW/m ²	
Degree of accuracy	49.50 89.25 136.85 136.85	49.50 89.25 136.85 136.85	49.50 89.25 136.85 136.85	49.50 89.25 136.85 136.85	49.50 89.25 136.85 136.85	49.50 89.25 136.85 136.85	49.50 89.25 136.85 136.85	49.50 89.25 136.85 136.85	49.50 89.25 136.85 136.85	
Logarithmic periodic antenna within the scope of supply. Several patents granted or pending Improved decoupling of h/v-polarization, shielded against ground influence, minimized deviation. HF58B upwards: LED control Compensated antenna curve (HFV): 2.4 GHz high pass filter directly on the antenna Active, quasi-isotropic ("omni") ultra broad bandwidth antenna eUBB27_G3 from 27 MHz to 3.3 GHz	✓	✓	✓	✓	✓	✓	✓	✓	✓	
LC display: 3.5 digits in µW/m ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Features for acoustic analysis Sound signal proportional to the field strength (Piezo buzzer) Sound signal proportional to the amplitude modulation for the analysis of digital signals (loudspeaker) Volume regulation for loudspeaker / earphones	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Recommended standard value
 ("no abnormality") for sleeping
 places according to SGM 08:
 0.1 µW/m²

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EMR-Meters (High-frequency)

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	Accessories Prices(EU)	Personal assessment				Professional analysis			
		HF32D	HF35C	HF38B	HF35C	HF35C	HF58B-r	HF58B	HF59B
HF-Analyser		189.00	295.00	474.10	695.20	828.00	994.60	1,166.20	1,725.50
Prices for EU countries incl. 19% VAT (currency: Euros)		317.65	495.80	796.80	1,168.40	1,391.60	1,671.60	1,960.00	2,900.00
Prices for non-EU countries excl. VAT (currency: US-Dollars)		✓	✓	✓	✓	✓	✓	✓	✓
LC display of signal (Patent No. DE 103 17 805)		✓	✓	✓	✓	✓	✓	✓	✓
Peak value (Patent No. DE 10334886)		✓	✓	✓	✓	✓	✓	✓	✓
Average value (Patent No. DE 19009784)		✓	✓	✓	✓	✓	✓	✓	✓
"peak hold" HF58B / HF59B; with reset pushbutton (recop rate approx. 3dB/10Min)		✓	✓	✓	✓	✓	✓	✓	✓
LC display of pulsed signal fraction (i.e.: of the "amplitude modulated part"; additional tolerance in practical applications +/- 1 dB)		✓	✓	✓	✓	✓	✓	✓	✓
Average value / peak value / "peak hold" (like for the total signal, switchable)		✓	✓	✓	✓	✓	✓	✓	✓
Video bandwidth 2 MHz (Radar/UMTS/3G - optimization), switchable*		✓	✓	✓	✓	✓	✓	✓	✓
* in this setting, increased noise-level in the first measurement range									
Frequency filters (to be mounted externally)									
Variable frequency filter VF2 ("Trap") allowing a suppression of the chosen frequency by 20 dB (= Factor 100)	232.05	opt.	opt.	opt.	opt.	opt.	opt.	opt.	opt.
Variable frequency filter VF4 ("Trap") allowing a suppression of 40 dB (= Factor 10,000 ; higher selectivity)	351.05	opt.	opt.	opt.	opt.	opt.	opt.	opt.	opt.
Sleep sided high pass filter HP800_G3 for an improved suppression of frequencies below 800 MHz	113.05								✓
Signal outputs									
DC output for data logging						✓	✓	✓	✓
Audio output (modulated AC-signal) for PC (Sound card) / earphones / spectrum analyser						✓	✓	✓	✓
Additional normal AC output (mod. signal) for Spectrum analyser / FFT analyser						✓	✓	✓	✓
Power supply (battery and/or storage battery within the scope of supply)									
9-Volt Alkaline Mangan E-block battery		✓	✓	✓	✓	✓	✓	✓	✓
9-Volt NiMH rechargeable battery pack (easy replacement by user himself)	32.25								
Power supply unit (for charging the internal rechargeable battery or for external power supply)									
Antenna input socket allows remote power supply (e.g. for active antenna or amplifiers, equalizers, etc.)					✓				
Capacity of battery is good for ... (much less when using the UB827 or external amplifiers)		10-12h	6-7h	6-7h	6-7h	6-7h	7-8h	7-8h	7-8h
Transport cases									
Plastic case K4 (approx. 27 x 18 x 6 cm) with buried foam inlay for HF32D / HF35C, plus antenna	18.80	opt.	opt.	✓	opt.	opt.	opt.	opt.	✓
Plastic case K2 (approx. 33 x 27 x 16 cm) with shaped foam filler for all types of devices plus antenna	43.20	opt.	opt.	opt.	opt.	opt.	opt.	opt.	opt.
Aluminium case K3 (surface: aluminium, brushed; approx. 52 x 40 x 21 cm) with flexible compartments	79.85	opt.	opt.	opt.	opt.	opt.	opt.	opt.	opt.

High Frequency Analyser

27 / 800 MHz to 2.5 / 6 GHz

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 WLAN, radar, microwave ovens, TETRA, TV, etc.

... Continued from previous page

EMR-Meters (High-frequency)

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Electro smog detector MW1

single-knob control – allows pulsed radiation to turn audible



Producer: Sensory Perspective

Makes electro smog caused by pulsed high frequency (mobile phones, DECT, WLAN, etc.) audible and thus gives an impression of the exposure of your personal environment.

The volume of the acoustic signal is proportional to the field strength, and its sound helps differentiate the various sources of radiation.

Straight forward single-knob control.

Dimensions: 147 x 85 x 42 mm

Not suitable for quantitative measurements or for marginal tests.

Scope of supply:

Detector incl. battery and multilingual instruction manual

Price:

89.90 Euros incl. 19 % VAT

HF Analyser HF35C

for the easy evaluation of HF exposure incl. acoustic analysis



HF Analyser HF35C:

This device supports all above mentioned common advantages.

It allows a straight forward assessment of the exposure, a determination of suitable remedial actions, as well as a control of their effectiveness.

It comprises all features of the HF32D and **additionally offers:**

- + Identification of pulsed radiation sources (mobile radio (GSM, UMTS/G3), cordless telephones (DECT), WLAN (Bluetooth), air-traffic control-radar) by means of an acoustic signal proportional to the modulation frequency
- + Display of peak value as well as average value (switchable)
- + Sensitivity increased by a factor of 10 (from a minimum display resolution of $0.1 \mu\text{W}/\text{m}^2$ to a maximum of $1999 \mu\text{W}/\text{m}^2$).

Scope of supply:

Measurement device, attachable log.-per. antenna incl. antenna cable, Alkaline Mangan battery, detailed instruction manual with factual background information

Price:

295.00 Euros incl. 19 % VAT

Our top-selling HF-Analyser!

HF Analyser HF38B

the tie between "amateur"- and professional devices



HF Analyser HF38B:

This device supports all above mentioned common advantages.

It allows a straight forward assessment of the exposure, a determination of suitable remedial actions, as well as a control of their effectiveness.

It comprises all features of the HF35C and **additionally offers useful features of our professional line of instruments:**

- + The log.-per. antenna with further improved frequency response.
- + A 10 times higher sensitivity: Minimum display resolution $0.01 \mu\text{W}/\text{m}^2$ *
- + A measuring range extended upwards by a factor of 10: max. $19.99 \text{ mW}/\text{m}^2$ *
- + Clearly simplified measurements with the help of the "peak-hold"- function*

Scope of supply:

Measurement device, attachable log.-per. antenna incl. antenna cable, Alkaline Mangan battery, detailed instruction manual with factual background information

Price:

474.10 Euros incl. 19 % VAT

EMR-Meters (High-frequency)

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HF Analyser HFE35C

for the easy evaluation including UBB antenna



Set offer containing the following components:

- + **HFE35C basic device.** Corresponds to the HF35C, yet with a frequency range extended down to 27 MHz and an especially compensated log.-per. antenna for the range above 800 MHz.
- + Horizontal isotropic **ultra broad bandwidth antenna UBB27_G3** from 27 MHz up to far beyond 2.5 GHz (limited by the frequency response of the HFE35C)
- + Small **plastic case K4:** with convoluted foam filler for a safe transportation of the measuring device and both antennas

Scope of supply:

Measurement device, attachable log.-per. and UBB antenna, Alkaline Mangan battery, detailed instruction manual with factual background information, plastic case

Price:

695.20 Euros incl. 19 % VAT

(saving 126.85 Euros*)

HF Analyser HFW35C

facilitates measurements up to 6 GHz



HF Analyser HFW35C from 2.4 to 6 GHz

A special device suitable for the measurement of radiation caused by wireless applications / computer networks, including the new standards (Bluetooth, WLAN, WiFi), also covering the WiMAX-frequencies auctioned off in 2006.

It comes with an especially aligned log.-per. antenna with excellent directivity (Patent pending: AZ 10 2006 051 180.8) .

It suppresses frequencies from mobile radios and DECT by means of a steep-sided high pass filter integrated into the antenna to avoid falsified measurements of the frequency range from 2.4 to 6 GHz.

- the perfect addition to the existing HF product line of Gigahertz Solutions

Further specifications:

- Digital display from 0.1 $\mu\text{W}/\text{m}^2$ to 1999 $\mu\text{W}/\text{m}^2$
- Audio analysis of pulsed sources of radiation
- Peak-value and average-value display (switchable).

Scope of supply:

Measurement device, log.-per. antenna, Alkaline Mangan battery, detailed instruction manual with factual background information

Price:

392.70 Euros incl. 19 % VAT

HF Analyser HFE59B

our first class device including UBB antenna and accessories



Set offer consisting of the HF59B and a wide range of accessories:

- + Horizontal isotropic **ultra broad bandwidth antenna UBB27_G3** from 27 MHz up to far beyond 3.3 GHz (limited by the frequency response of the HF59B)
- + 800 MHz **high pass filter HP800_G3** for the suppression of low frequencies when measuring with the log.-per. antenna of the HF59B
- + High frequency **preamplifier HV10_27G3.** Increases the measurement range by 10 dB (by a factor of 10)
 – important when wanting to reduce the increased noise background in the radar or UMTS/3G-mode
- + **Attenuator DG20_G3:** increases the maximum measurable value by 20 dB (or by a factor of 100) to 1,999 mW/m^2 (= 1.999 W/m^2)

EMR-Meters (High-frequency)

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- + **Plastic case K2** (not illustrated) : with shaped foam filler for a safe transportation of all components. Offers enough space for yet another Gigahertz Solutions measuring device (high frequency or low frequency).

Optional add-on :

Variable frequency filter VF4: helps identifying the cause of radiation as well as defining protective measures (the "what-if-analysis") without the necessity of real life test shielding.

Scope of supply: Measurement device, log.-per. and UBB antenna, NiMH battery inside the meter, mains adaptor, battery charger, various adaptors, HP800, HV10, DG20, detailed instruction manual with factual background information. Comes in a plastic case.

Price: 1,725.50 Euros incl. 19 % VAT (saving 242.,00 Euros*)

Attenuator DG20

suitable for **HF32D** / **HF35C** / HFE35C / **HF38B** / HF58B / HF58B-r / HF59B / HFE59B



Attenuator DG20:

- Decreases the sensitivity of the HF measurement device by a factor of 100 (= 20 dB), thus allowing measurements of major exposures. Adaptor plug for the antenna input.

Scope of supply: Attenuator DG20, brief instruction

Price: 49.50 Euros incl. 19 % VAT

Attenuator DG20_G3

suitable for HF32D / HF35C / **HFE35C** / HF38B / **HF58B** / **HF58B-r** / **HF59B** / **HFE59B**



Attenuator DG20_G3:

- Decreases the sensitivity of the HF measurement device by a factor of 100 (= 20 dB), thus allowing measurements of major exposures. Adaptor plug for the antenna input.
- Improved frequency linearity and DC passage as opposed to the basic version.

Scope of supply: Attenuator DG20_G3, tightening aid, operating instructions

Price: 89.25 Euros incl. 19 % VAT

Variable Frequency Filter VF2

suitable for HF32D / **HF35C** / **HFE35C** / **HF38B** / **HF58B** / **HF58B-r** / **HF59B** / **HFE59B**



The photo shows how the filter is attached to the device (device not included)

Variable frequency filter VF2:

- Variable trap filter (with a suppression of 20 dB = a factor of 100) for a simplified differentiation of the HF radiation source between 700 MHz and 3000 MHz.
- To be connected between the antenna cable and the antenna input socket of the measuring device (by the operator). No battery needed.
- Cascadable with all auxiliary components presented herein.

Ideal for the "what-if-analysis":

The variable filter allows a suppression of individual frequencies and their harmonic waves, thus enabling you to identify the exposure remaining when eliminating certain radiation sources or suppressing them by means of shielding measures. In combination with the audio analysis, this will allow a quick overview of the various sources of radiation, for instance in large cities with a pretty indistinct mess of frequencies.

Scope of supply: Variable frequency filter VF2, tightening aid, detailed operating instructions

Price: 232.05 Euros incl. 19 % VAT

EMR-Meters (Low-frequency)

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	Qualifications					Features					Prices					
	measuring range 1 - 2000 nT/Vm measuring range 0.1 - 200.0 nT/Vm Accuracy +/-2 %, +/-20 digits Accuracy +/-2%, +/-14 digits Accuracy +/-2%, +/-7 digits 16 Hz to 2 kHz (-2 dB) 16 Hz to 30 kHz (-2 dB) 5 Hz to 100 kHz (-2 dB) 5 Hz to 100 kHz (-1 dB) 5 Hz to 400 kHz (-1 dB) 16.7 Hz / 50Hz / 2kHz filter module Auto-power-off function Offset testing facility AC and DC outputs Battery capacity check Rechargeable battery incl. Charger Calibration certificate KAL E-field Carry bag white															
eME3030B	X	X	X			X								99.60	167.40	personal assessment
eME3830B	X		X		X	X								169.10	284.20	
eME3840B	X		X		X	X								297.50	500.00	professional analysis
eME3851A	X	X		X		X	X	X	X	X	X			399.60	671.60	
eME3951A	X	X		X		X	X	X	X	X	X			565.25	950.00	
eETC3951A*	X*	X*		X		X	X	X	X	X	X	X		1,368.50	2,300.00	
eEMT3951A**	X	X		X		X	X	X	X	X	X	X		1,535.10	2,580.00	

Digital Electrostress Analyser ME3030B

for an easy evaluation of the exposure to LF



Digital Electrostress Analyser ME3030B:

allows an uncomplicated evaluation of the exposure, a determination of suitable remedial actions, as well as a control of their effectiveness.

The measured values are reliably displayed directly in the entity corresponding to the building biology standard values, namely

- the electric field strength from 1 to 1999 V/m (against ground potential)
- the magnetic flux density from 1 to 1999 nT.

Frequency range: 16 Hertz to 2 Kiloherzt.

An acoustic signal proportional to the field strength with "Geiger-counter-effect" helps identifying regions with increased exposure.

Simple operation with the help of a detailed instruction and measurement manual.

Scope of supply: Measurement device, grounding cable, Alkaline Mangan battery, detailed instruction manual with factual background information

Price: 99.60 Euros incl. 19 % VAT

Digital Electrostress Analyser ME3830B

for an easy evaluation of the exposure to LF

Digital Electrostress Analyser ME3830B: (fig. similar to ME3030B)

Has the same features and configuration as the ME3030B, however additionally offers

- + a clearly extended frequency range: from 5 Hertz to 100 Kiloherzt. This frequency range (in accordance with SBM) also includes the higher frequencies caused by, for instance, energy saving lamps, switching-mode power supplies, electronic dimmers, or monitors, which are considered especially critical.

Price: 169.10 Euros incl. 19 % VAT

Our top selling LF-Analyser!

EMR-Meters (Low-frequency)

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Digital Electrostress Analyser ME3851A

for the professional LF analysis



Digital Electrostress Analyser ME3851A:

This device represents the low cost access to the professional, quantitative low frequency measurement technology. It is suitable for measurement certificates, comprises all features of the ME3840B, however **additionally offers**:

- + Responsivity increased by a factor of 10 (display range: 0.1 V/m to 0.1 nT)
- + A NiMH battery, a battery charger and a power supply unit inclusive
- + An AC- and a DC-output
- + Increased reliability by the use of a test switching mode for the zero deviation

Perfectly suitable also for **potential-free measurements** with the help of the potential-free mounting for LF measurement devices, the PM1.

Scope of supply: Measurement device, highly flexible grounding cable with a copper diameter of 1mm², grounding clamp, NiMH battery inside the meter, mains adaptor, battery charger, various adaptors, detailed instruction manual

Price: 399.60 Euros incl. 19 % VAT

Field Strength Meter ME3951A

for the professional LF analysis up to 400 kHz

Comprises the same features and configuration as the ME3851A, however additionally offers:

- + an extended frequency range from 5 Hertz to 400 Kilohertz, in accordance with the TCO guidelines for monitor screen workstations

Price: 565.25 Euros incl. 19 % VAT

Digital Fieldstrength Meter EMT3951A

for the professional LF analysis in accordance with TCO



Digital electro smog analyser EMT3951A:

Comprises the same features and configuration as the ME3951A, however additionally offers:

- + an integral probe for the electric fields, corresponding exactly to the dimensions required by TCO (such as a diameter of 30 cm).
- + a simplified measurement of electric fields corresponding to the regulations in inaccessible locations, for instance when doing measurements in bedrooms, or when inspecting low field electrical installations.
- + measurements of monitor screen workstations in accordance with the TCO guidelines for monitor screen workstations.

Scope of supply: Measurement device, highly flexible grounding cable with a copper diameter of 1mm², grounding clamp, NiMH battery inside the meter, mains adaptor, battery charger, various adaptors, detailed instruction manual, lightweight and matching casing made of Well-PP.

Price: 1,535.10 Euros incl. 19 % VAT

EMR-Meters (Low-frequency)

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NFA series

3D - LF analyser with data logger



	Meters for building biologists						Industry Public authorities NFAPlus series	
	3D-magnetic field logger			3D-LF analyser with logger			NFA-M30P	NFA-ME30P
	NFL 2	NFL 30	NFL 400	NFA 100	NFA 400	NFA 1000		
Short term								
catalogue prices in Euro excl. VAT (net)	400.00	550.00	800.00	725.00	1,025.00	1,625.00	885.00	1,490.00
catalogue prices in Euro incl. 19% VAT	476.00	654.50	952.00	862.75	1,219.75	1,933.75	1,053.15	1,773.10
Frequency ranges								
Frequency ranges (from ... to)	16 Hz 2 kHz	16 Hz 32 kHz	5 Hz 400 kHz	16 Hz 100 kHz	5 Hz 400 kHz	5 Hz 1MHz	5 Hz 32 kHz	5 Hz 32 kHz
Frequency selective, simultaneous recording of all 4 channels onto SD-card (1GB)								
- 4 Frequency bands: a) 16.6 Hz b) 50/60 Hz c) > 2kHz d) rest	✓	✓		✓	✓			
- optimised FFT up to 32 kHz, plus a broadband value of over 32 kHz			✓			✓	✓	✓
Magnetic flux density								
Internal 3D-sensor (isotropic point < 3cm ³)	✓	✓	✓	✓	✓	✓	✓	✓
Measurement range "M"		1 nT-19.99 µT			1 nT-19.99 µT			1 nT-400.0 µT
Electric field strength								
Internal, potential-free 3D-E-field-sensor (pat. pend.)						✓		✓
Internal potential-free 1D-E-field-sensor in Y-direction					✓			✓
Internal earth potential-bound sensor in Y-direction				✓	✓	✓		✓
TCO-conform E-field-sensor (easy to fit)				opt.	opt.	opt.		opt.
measurement range "E"					0.1-1,999 V/m			0.1-19,990 V/m
Input jack for hand electrode for "body voltage"					1-19,990 mV			1-19,990 mV
Signal analysis								
True RMS	✓	✓	✓	✓	✓	✓	✓	✓
True RMS hold or max hold		✓	✓	✓	✓	✓	✓	✓
Peak value, to be configurated as "peak hold"			✓			✓	✓	✓
Display								
Big LC display (4 digits), easy to read also from a distance	✓	✓	✓	✓	✓	✓	✓	✓
Frequency shown by differently coloured LEDs				✓	✓	✓		✓
Audio signal (Geiger-counter-effect and volume can be configurated)		✓	✓	✓	✓	✓	✓	✓
Optional configuration of alarm signal upon exceeding limit value		✓	✓	✓	✓	✓	✓	✓
Separate graphic display unit with infrared or radio link					opt.	opt.	opt.	opt.
Internal data logger (4 channels simultaneously: X / Y / Z / eg. external source) ¹								
Entry for HF recordings with external HF analyser		✓	✓		✓	✓	✓	✓
Memo function (voice recorder)					✓	✓		✓
PC configuration and evaluation software: graphic display, where applicable specific to frequency and axis, statistic functions (eg. 95. npercentile)	✓	✓	✓	✓	✓	✓	✓	✓
Possibility of "locking" the device to avoid operating errors by third persons during long-term recordings	✓	✓	✓	✓	✓	✓	✓	✓
Transient recorder (scheduled for 2009)			opt.			opt.	opt.	opt.
Scope of supply and optional accessories								
Internal Li-Ion battery pack (lasts for recordings of approx. 48h at 10 complete data sets per sec.) incl. battery charger for quick charging	incl.	incl.	incl.	incl.	incl.	incl.	incl.	incl.
Tripod connection screw at bottom of casing				incl.	incl.	incl.	incl.	incl.
Ground cable and ground clamp				incl.	incl.	incl.		incl.
Potential-free "holder" for measurement devices PM1					incl.	incl.		incl.
Potential-free telescope extension rod					opt.	opt.		opt.
Plastic case K2, leaves room for an additional measurement device				incl.	incl.	incl.		incl.
Compact plastic case K4 for a safe transport	incl.	incl.	incl.	opt.	opt.	opt.	incl.	opt.