5 DIGIT OPTICAL HAND TACHOMETER



9801.001 - 5 DIGIT OPTICAL

DIGITAKER 9801.001 is a microcomputer based digital tachometer for rotational speed measurements, particularly suitable in application where a physical contact with the moving part cannot be obtained and braking force cannot be applied.

DIGITAKER has a measuring range of 2.0 to 100,000 r.p.m. with automatic decimal point selection in order to ensure a high degree of accuracy.

TOTALIZING function allows to count the incoming pulses.

DIGITAKER is provided with an auxiliary input for an optional external sensor.

By inserting the 8830.001 contact sensor , linear speed measurements can be made.

TECHNICAL FEATURES

Readout: Accuracy:	5 digit ultrabright LED displays ±0,1 r.p.m. up to 999.9 r.p.m.
±0,009 Power supply:	5% from 1000 to 100,000 r.p.m. 4 batteries UM3 1,5V
Operating temperature Dimensions: Weight:	e: from 0 to 45°C 180x60mm 0.4Kg
Measuring range: Measuring period:	from 2.0 to 100,000 r.p.m.
Each	rotation from 2.0 to 60.0 r.p.m.
1 seco	and from 60,0 to 100,000 r.p.m.
Standard accessories	:
Plastic ca	ase for tachometer and sensors

Set of 5 self-adhesive reflective tabs9801.0015 digit optical hand tachometer7817.006Spare 5 self-adhesive reflecting tabs (25x90)





ROTATION SPEED MEASUREMENT

- Apply a reflective strip on the rotating part.
- Point optical head towards the strip.
- Press the MEASURE push-button.
- Releasing the push-button, the measured value is held in memory.

LINEAR SPEED MEASUREMENT

- Insert 8830.001 contact sensor (optional) connector into the external connector input of the tachometer.
- Select through the SEL push-button the desired measuring unit (m/min).

OPTIONAL SENSORS

8830.001	Contact sensor
8810.001	Optical sensor
8810.010	Proximity switch

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5 DIGIT CONTACT HAND TACHOMETER

9802.001 5 DIGIT CONTACT

DIGITAKER 9802.001 is a microcomputer based digital tachometer for rotation and feed speed measurements by means of a hard rubber contactor placed on the outlet spindle of the device itself.

DIGITAKER has a measuring range from 0.2 to 30,000 r.p.m. with automatic decimal point selection in order to ensure a high degree of reading accuracy.

A calibrated rubber wheel is provided for linear speed measurements directly in m/min or feet/min.

TOTALIZING function allows to count the incoming pulses (10 pulses per revolution, 1 centimeter every pulse when the rubber wheel is inserted).

DIGITAKER is provided with an auxiliary input for optional external sensor fitting.





TECHNICAL FEATURES 5 digit ultrabright LED displays Readout: ±0,1 r.p.m. up to 999.9 r.p.m. Accuracy: ±0,005% from 1000 to100,000 r.p.m. 4 batteries UM3 1,5V Power supply: from 0 to 45°C Operating temperature: 180x60mm Dimensions: Weight: 0.4Kg from 0,2 to 30,000 r.p.m. Measuring range: linear speed from 0,02 to 3,000m/min Measuring period: 1 second Standard accessories: Plastic case for tachometer and sensors Set of 3 hard rubber tips. Rubber wheel to measure m/min and feet/min. _ .. .

7608.009	Set of 7 spare rubber tips
7608.010	Spare surface wheel

ROTATION SPEED MEASUREMENT

- Contact the tachometer tip to the shaft center of the rotating part.
- Press the MEASURE push-button.
- Releasing the push-button, the measured value is held in memory.

LINEAR SPEED MEASUREMENT

- Apply the hard rubber wheel to the tachometer outlet spindle.
- Select through the SEL push-button the desired measuring unit (m/min).

OPTIONAL SENSORS

 8830.001
 Contact sensor

 8810.001
 Optical sensor

 8810.010
 Proximity switch



EXTERNAL SENSORS FOR 5 DIGIT HAND TACHOMETERS

8810.001 OPTICAL SENSOR

Modulated infrared ray system optical detector. A strip of reflective paper on the rotating part is needed to get the r.p.m. measurement. Measuring range: from 2.0 to 100,000 r.p.m. Reflection range: from 10 to 300mm

Dimensions: Chromed brass casing M27x73mm Cable length: 3m (standard), optional up to 30m max. Standard accessories: set of 5 reflective adhesive strips

8810.001 Optical sensor - temp.range 0 to +45°C
 8810.002 Optical sensor - temp.range -20 to +70°C
 7817.006 Spare 5 self-adhesive reflecting tabs
 9994.854 Optional cable (exceeding the 3m standard)

8830.001 CONTACT SENSOR

For rotation and linear speed measurement, connect to the rotating part for rotation measurement or apply the calibrated wheel for linear speed measurement.

Measuring range: from 0.2 to 30,000 r.p.m. from 0.02 to 3000 m/min Operating temperature: Dimensions: Chromed brass casing M27x93mm Cable length: Standard accessories: Rubber wheel to measure m/min and feet/min.

8830.001 9994.854	Contact sensor (3m cable) Optional cable (exceeding the 3m standard)
7608.009	Set of 7 spare rubber tips
7608.010	Spare surface wheel

8810.010 PROXIMITY

Proximity magnetical sensor for rotational speed measurements in dusty environments. Needs only one reference per round.

Measuring range:from 2.0 to 100,000 r.p.m.Operating temperature:from 0 to +60°CDimensions:Chromed brass casing M12x36mmCable length:3m (standard), optional up to 10m max.Sensitivity:2mm (typical 1mm)

8810.010 Proximity sensor (3m cable)9994.854 Optional cable (exceeding the 3m standard)



5 DIGIT MECHA-OPTO HAND TACHOMETER



9803.001 - 5 DIGIT MECHA-OPTO

DIGITAKER 9803.001 is a microprocessor based digital tachometer with quartz crystal oscillator to maintain high accuracy. It has a mechanical contact assembly at the top of the unit and an integrated infrared transmitter and receiver at the base of the unit. The 5-digit LED automatically inverts when switched from contact to optical so that the display is always the right way up when viewed.

For optical reading, a reflective adhesive tab is applied on the rotating part.

DIGITAKER has a measuring range from 0.2 to 100,000 r.p.m. with automatic decimal point selection in order to ensure the better reading accuracy degree.

A calibrated rubber wheel is provided for linear speed measurement directly in m/min or feet/min.

TECHNICAL FEATURES

Readout:	5 digit ultrabright LED displays		
Accuracy:	±0,1 r.p.m. up to 999.9 r.p.m.		
±0.005	5% from 1000 to 100,000 r.p.m.		
Power supply:	4 batteries UM3 1,5V		
Operating temperature	e: from 0 to 45°C		
Dimensions:	180x60mm		
Weight:	0.4Kg		
Measuring range:	from 0.2 to 100,000 r.p.m.		
Measuring period:	1 second		
-			

Standard accessories:

Plastic case for tachometer and sensors Set of 3 hard rubber tips. Rubber wheel for measuring m/min and feet/min. Set of 5 reflective adhesive strips

9803.001	5 digit mecha-opto hand tachometer
7608.009	Set of 7 spare rubber tips
7608.010	Spare surface wheel
7817.006	Spare 5 self-adhesive reflecting tabs

4 DIGIT OPTICAL HAND TACHOMETER

4 DIGIT CONTACT HAND TACHOMETER





9003.001 - 4 DIGIT OPTICAL

DIGITAKER 9003.001 is a microcomputer based digital tachometer for rotation speed measurements, particularly suitable in application where a physical contact with the moving part cannot be obtained and braking force cannot be applied.

DIGITAKER has a measuring range of 2.0 to 20,000 r.p.m. with automatic decimal point selection in order to ensure a higher degree of reading accuracy.

TECHNICAL FEATURES

Readout:	4 dig	git ultrabright LED displays	
Accuracy:	±0	,1 r.p.m. up to 999.9 r.p.m.	
Power sup Operating Dimensior Weight:	±0.005% oply: temperature: os:	4 batteries UM3 1,5V from 0 to 45°C 180x60mm 0.4Kg	
Measuring range: Measuring period:		from 2.0 to 20,000 r.p.m.	
	Each rota	from 60.0 to 20.000 r.p.m.	
Standard a	accessories: Plastic case fo Set of t	or tachometer and sensors 5 reflective adhesive strips	
9003.001 7817.006	4 dig Spare 5 self-adh	jit optical hand tachometer esive reflecting tabs(25x90)	

9004.001 - 4 DIGIT CONTACT

DIGITAKER 9004.001 is a microcomputer based digital tachometer for rotation and feed speed measurements by means of hard rubber contactor placed on the outlet spindle of the device itself.

DIGITAKER has a measuring range from 0.2 to 20,000 r.p.m. with automatic decimal point selection in order to ensure the better reading accuracy degree. A calibrated rubber wheel is provided for linear speed measurement directly in m/min or feet/min.

TECHNICAL FEATURES

Readout:	4 digit ultrabright LED displays
Accuracy:	±0,1 r.p.m. up to 999.9 r.p.m.
±	0.005% from 1000 to 20,000 r.p.m.
Power supply:	4 batteries UM3 1,5V
Operating tempera	ature: from 0 to 45°C
Dimensions:	180x60mm
Weight:	0.4Kg
Measuring range: line Measuring period:	from 0.2 to 20,000 r.p.m. ear speed from 0,02 to 2,000m/min 1 second
Standard accessor Plasti	ries: c case for tachometer and sensors Set of 3 hard rubber tips
Rubber wheel	for measuring m/min and feet/min

9004.001	4 digit contact hand tachometer
7608.009	Set of 7 spare rubber tips
7608.010	Spare surface whee

9210 MULTIFUNCTION TACHOMETER



TACHOMETER

The instrument computes the speed value according to the input pulse frequency coming from the external detector (proximity, pick-up, optical detector, etc.). **FREQUENCY METER**

The instrument computes the input pulse frequency value. This value can be converted into another unit format in order to correspond to the desired measuring unit.

TOTALIZER

Input pulses coming from an external sensor(proximity,pick-up,etc.) are totalized. This value can be converted into another unit format in order to correspond to the desired measuring unit..

TIMER

When the "SIGNAL" input is connected to GROUND the timer starts counting until the input returns to the open condition.

TECHNICAL FEATURES

Display 5 digit high efficiency LED 13mm height Accuracy ±0.005% ±1 digit OVERFLOW indication HOLD function MAX and MIN value memory 4 function decimal point(0-1-2-auto) Parameters are easily set on the front panel keyboard 2 alarm relays fully programmable.

SENSORS Optical detector, Proximity, Pick-up, Contact sensor, encoder, etc. Sensor power supply : 12Vdc/30mA or 5Vdc/30mA Input waweform :

	-		
Sinusoidal	min 100m\	/pp(at 1KHz), n	nax 50Vac
Square or open-	collector	low=0-1.5V h	igh=4-30V
INPUT LOAD (pi	ck-up):		18KΩ
INPUT LOAD (o	pen collecto	or):	2K Ω

MINIMUM FREQUENCY RATE:

Tachometer	2 r.p.m. (1	pulse per rev.)
Frequency-meter		0,034Hz
MAXIMUM FREQUEN	CY RATE:	
Tachometer and freque	ency-meter	60KHz
Totalizer		4KHz
ALARM RELAYS		

Max. allowed current:1A at 125 VacMax. commutating power:50VA

9210.001	Power supply	220Vac
9210.002	Multifunction panel tachometer	110Vac
9210.003	Multifunction panel tachometer	12Vdc
9210.004	Multifunction panel tachometer	24Vdc
9210.005	Multifunction panel tachometer	24Vac
9210.006	Multifunction panel tachometer	12Vac
9010.100 9010.200	Optional ANALOG 0-10V an Optional RS232C opto for remote connection to host	OUTPUT d 4-20mA binsulated computer



9211 Elapsed Time Counter

9211 Elapsed Time Counter

INPUTS:	enable time counting input hardware RESET on the connector range selector
Display	5 digit high efficiency LED 13mm height
RANGES: A version B version C version	9h 59m 59s and 999h 59m 9m 59s 99cents and 999h 59m 999h 59m and 99999h
MODELS: 9211.001/A/ 9211.002/A/ 9211.003/A/	B/C 220Vac B/C 110Vac B/C 12Vdc



9210 MULTIFUNCTION : applicable examples



LINEAR SPEED MEASURE

INPUT:

pick-up pulses on gear wheel

MEASUREMENT UNIT CONVERSION: The 9210 converts true measurement unit, transmitting relevant linear speed value on display. For example 20.00 m/minute corresponds to 100 r.p.m. of gear wheel.

OPTIONAL OUTPUTS:

Analog output 0-10V and 4-20mA for remote linear speed control by PLC or digital acquisition system, or RS232 serial output to a PC.

TOTALIZER

INPUT: pulses from optical or capacitive sensors

OPTIONAL OUTPUTS: RS232 serial output to a PC. (Non-applicable analog output)

ALARM RELAYS: 2 alarm relays, fully programmable, for feed system control, relays are controlled by PC in remote mode.

Totalizer counts in both directions: either up or down.



EXTERNAL SENSORS FOR PANEL TACHOMETERS



8209.002 OPTICAL SENSOR

Modulated infrared ray system optical detector. A strip of reflective paper on the rotating part is needed to get the r.p.m. measurement.

8209.002 operating temperature from 0° to +45°C
8209.004 operating temperature from -20° to +70°C
(See page 4 for technical specifications)

8830.002 CONTACT SENSOR

For rotation and linear speed measurement, connect to the rotating part for rotational measurement or apply the calibrated wheel for linear speed. (See page 4 for technical specifications)

8210.002 **PROXIMITY**

Proximity magnetical sensor for rotation speed measurements in dusty environments. Needs only one metal reference per round. (See page 4 for technical specifications)

8010.010 PICK-UP

Variable reluctance magnetic pick-up to be fitted with an iron toothed wheel (such as 8010.011), 8010.010 outputs a signal proportional to the speed. Measuring range from 10 to 20,000 r.p.m. Operating temperature: from -20 to +120°C Sensitivity: from 0 to 1mm

Dimensions:

M18x73mm Pick-up sensor (3m cable)

8010.010Pick-up sensor (3m cable)9994.854Optional cable (exceeding the 3m standard)





TOOTHED WHEEL FOR PICK-UP

Type: Dimensions:	Iron toothed wheel, 60 teeth 120x15mm
Fixing:	two 6MA threaded holes
8010.011	TOOTHED WHEEL FOR PICK-UP

PUNCHED WHEEL FOR PROXIMITY

Туре:	Iron punched wheel, 1.2mm width
Dimensions:	
Hole number	: 10
Fixing:	3 holes at 120° + 1 central hole
8010.012	PUNCHED WHEEL FOR PROXIMITY

8410 DIGITAL PANEL TACHOMETERS

8410 DIGITAL PANEL TACHOMETERS

The digital tachometers series 8410 are panel types and input can be provided through different kinds of transducers in order to meter the r.p.m. of a motor, or any other rotating part and also linear speed measurement,

The main features are the low cost and the high accuracy, and make them suitable in applications where no special features other than accuracy are required.

The tachometers are grouped in two basic families: 8410.040/042 four digits 8410.050/052 five digits



TACHOMETER	DIGITS	Measuring range (r.p.m.)	TRANSDUCER	PULSE PER REVOLUTION
8410.040	4	50-9'999	Optical det. , proximity	1
8410.042	4	10-9'999	Contact detector Proximity + 8010.012	10
8410.050	5	50-50,000	Optical det., proximity	1
8410.052	5	10-30,000	Contact detector Proximity + 8010.012	10

TECHNICAL FEATURES

Display:	or 5 digits, 13mm height LED display	y
Measuring per	od: 1 second	b
Accuracy:	±1 r.p.m. up to 10,000 r.p.m ± 0.005% over 10,000 r.p.m	

Operative temperature: Power supply:

Weight:

from 0° to 45°C AC 110/220Vac DC from 8 to 16Vdc 0.33Kg



ENGITACHO ENGINE TACHOMETER



8805.001 ENGITACHO ENGINE TACHOMETER

Engitacho is a microcomputer based measuring set for r.p.m. detection on gasoline and diesel engines. Supplied in a plastic case it comes with two external detectors: a magnetic detector to bring close to the ignition coil and a vibration detector to clamp on the engine block

SPEED MEASUREMENT with magnetic detector

Bring the sensor closer to the ignition coil. Stable lighting of center display LED at the engine frequency rate, assure that tachometer is working correctly. It is possible to detect the speed on both 2 cycles 1-2-3 cylinder engines than 4 cycles 2-3-4-5-6 cylinders.

SPEED MEASUREMENT with vibration detector

Apply the sensor on a bolt or other iron part attached to the engine block by means of the inner permanent magnet base. Only for 4 cycle / 4 cylinder diesel or gasoline motors.

TECHNICAL FEATURES

Readout Accuracy: Measuring period: Power supply : Operating temperature: Dimensions: Weight:

4 digit ultrabrigth LED display ±10 r.p.m. 0.5 seconds 4 batteries UM3 1,5V from 0° to 45°C 180x60mm 0.4Ka

8805.001 ENGITACHO engine tachometer Carrying case included - sensors not included 8825.001 Induction sensor 8820.001 Vibration sensor

8825.001 INDUCTION SENSOR

Detects the ignition coil leaked magnetic flux of gasoline engines.

Measuring range: Engine type:

Operating temperature:

from 200 to 10,000 r.p.m. 2 cycles 1 2 3 cylinders 4 cycles 2 3 4 5 6 cylinders from -20° to +60°C

8820.001 VIBRATION SENSOR

Detects the engine vibration frequency, and works on both gasoline and diesel engine 4 cycles 4 cylinders. from 500 to 10,000 r.p.m. Measuring range: 4 cycles 4 cylinders Engine type: from -20° to +120°C Operating temperature:



AUTOMOTIVE TESTER 9350.001

AUTOMOTIVE TESTER 9350.001

RPM (tachometer)

Engine speed measurement with inductive pick-up.Measuring rangefrom 500 to 10,000 r.p.m.Resolution:10 r.p.m.Accuracy±1.2% ±10 r.p.m.

DWELL ANGLE

"DWELL A	NGLE" measurement
Cylinder:	3,4,5,6,8
Ranges:	0-120°(3 cyl.) 0-90.0°(4 cyl.) 0-72.0°(5 cyl.)
	0-60.0°(6cyl) 0-45.0°(8 cyl.)
Resolution	: 0.1°
Accuracy:	±1.2% ±1 digit





TEMP (temperature)

Temperature measurement. Ranges: from -20° to +750°C Resolution: 1°C Accuracy: ±1% ±2 digits (from 0 to 300°C) ±3% ±2 digits (over 300°C)

DC VOLTAGE

DC voltage measurement. Accuracy: ±0.8% ±1 digits Range 200mV - 2V - 20V - 200V - 600V

AC VOLTAGE

AC voltage measure	ment.	
Accuracy:	±1%	±2 digits
Range	200mV - 2V - 20V - 200)V - 600V

CC/CA DC or AC current measurement. Range: 10A RESISTANCE Resistance measurement $200\Omega - 2K\Omega - 20K\Omega - 200K\Omega - 2M\Omega - 20M\Omega$ Range: FREQUENCY Frequency measurement 200Hz - 2KHz - 20KHz Range: DIODE TEST Measures the forward diode voltage drop. AUDIBLE CONTINUITY Continuity beeper keeps whenever probes touch a continuous circuit 9350.001 Automotive tester (Plastic carrying case included) 9350.101 RPM inductive pick-up sensor



MULTI ENGINE DATA



The MED is provided with a bi-colored visual alarm system, connected to different temperature levels, which vary according to the setting. It is also endowed with a relais, that switches on/off contact on the occurrence of a dangerous condition ("red alarm")

The MED can display hour meter at start, engine revolution counter, 4 alternative temperatures concerning exhaust gas (EGT), 2 alternative head temperatures (CHT), oil temperature, auxiliary temperature (AUX), oil pressure and lt/h fuel consumption and fuel consumption from the engine starting.

GENERAL DESCRIPTION

The MED is a device properly designed to check and display the main parameters of any engine.

IT MUST NOT BE CONSIDERED A PRIMARY **CONTROL INSTRUMENT!**

The MED is equipped with 8 temperature inputs (4 Ktype thermocouples with insulated joint for exhaust gas temperatures and 4 NTC for head oil, water/air box temperatures), with 1 oil pressure input derived from an engine sensor (10 bar VDO 29/12), 2 inputs for engine revolution counter and with 1 flowmeter input for fuel consumption.



FUNCTIONS:

Engine revolution counter from 600 to 9999 rpm Engine hour meter from zero to 9999.9 hours (hour meter linked to the working of the engine revolution counter) 4 EGT temperatures from K-type thermocouples with insulated joint 4 temperatures(2 CHT, 1 OIL, 1 AUX) from NTC

1 Oil pressure

1 fuel consumption (It/h and fuel liters used)

Thermal limit controls: visual alarm system (high power led) + contact

TECHNICAL FEATURES

Container:	self- extinguishing ABS
Front panel:	lexan
Weight:	0.3 Kg
Display:	back-lighted LCD 16 x 2 cm
Power supply:	12 VDC (min 11, max 15)
Power consumption:	0,25 A max
Operating temperatures Storage temperatures ra	range: -10 +45 C° nge: -20 +60C°
Vibration range:	Amplitude: 0,5 mm Acceleration: max 5g requency: from 10 to 500 Hz

9340.001 SOUND LEVEL METER



TECHNICAL FEATURES

- Large LCD display, easy to read.
- Frequency weighting networks are designed to meet IEC 651 type 2. ٠
- A & C weighting networks are conformity to . standard.
- Condenser microphone for high accuracy & long term stability.
- Time weighting (FAST and SLOW) dynamic characteristic modes.
- AC/DC output for system expansion. Built in calibration VR on front panel. ٠
- •
- Max. Hold function for storing the maximum value on display.
- Warning indicator for over and under load. •
- Small, light weight design allows hand operation. •

TECHNICAL FEATURES

Display:	18mm LCD, 3 ½ digits
Function:	dB(A & C frequency weighting)
	Time weighting (FAST e SLOW)
	MAX HOLD, AC and DC output
Measuring range:	A - 3 ranges, from 30 to 130 dB
	C - 3 ranges, from 30 to 130 dB
Resolution:	0.1dB
Accuracy:	± 1.5dB at 1kHz (after calibration)
-	(23±5°C)* meet IEC 651 type 2,
	Calibrating input signal of 94dB
	Frequency range 31.5 Hz to 8 kHZ
Frequency:	from 31.5 a 8'000 Hz
Microphone:	condenser microphone
,	12.7mm diameter
,	



Weighting network : Range selector: (from * 50 dB on eac	A and C 3 ranges n 30 to 80dB, from 50 to 100dB, from 80 to 30dB) ch step with over & under range indicator
Time weighting:	FAST t=200ms, SLOW t=500ms Fast simulates the human ear Slow gives the average value
Calibration: B&K (E	Bruel & Kjaer) MULTIFUNCTION ACOUSTIC CALIBRATOR 4226
Output signal: AC 0.5Vrms co DC from 0.3 to 1.3	brresponding to each range step Vdc 10mV per dB (Rout= 600Ω)
Dimensions: Weight:	6mA of current consumption 255x70x28mm 280g
CALIBRATOR (optio Acoustic pressure lev Frequency: Microphone:	onal) vel: 94 ±0.8 dB 1000Hz ±5% 1 and ½ inch.
9340.001 9340.005	SOUND LEVEL METER type 2 (Plastic carrying case included) CALIBRATOR (94dB output)

RAYDETECTOR 3030 - RADIOACTIVITY METER

The RayDetector 3030 radioactivity meter, different from similar analog types which are difficult to interpret, is equipped with a digital display, transmitting pulses per minute and per second, thereby permitting a precise measurement.

The sensor of this instrument is a GEIGER-MULLER halogen tube with an end window in thin mica, protected by awiregauze.

It is possible to get the radioactivity measurement directly in the following units: "milliREM/hour", "PicoCurie", "Bequerel", simply selecting the units with the "SEL" pushbutton.

When a ionogenic radiation comes into contact with the GM tube, an electronic circuit gives off a signal to a digital counter, an LCD displays the results and a buzzer gives also acoustical evidence.

TECHNICALFEATURES:

Sensor: Geiger-Müller tube Display: 8 digits alphanumeric LCD, 7mm height Radiation sensitivity: Beta andGamma Selector:

> OFF 1 1 second reading 2 1 minute reading

SEL pushbutton:

pressed to change the measuring unit Units:

"milliREM/hour", "PicoCurie", "Bequerel", "pulse/sec",
"pulse/min", totalizerPower supply:9Volt battery (included)Dimensions :145x70x28mmWeight:200grAccessories:Plastic carrying case

SYSTEMS



BACKGROUND MEASUREMENT

LEVEL

In order to measure the background radiation level do the following steps:

RADIATION

-Set the instrument switch in the 2 position. -Select "MRE" = milliREM/hour by pressing SEL

-Multiply the reading per 8760 in order to get "milliREM/year"

-Repeat the measure in different day hours in order to get the average radiation level.

- Compare the results with the standard values of the place.

9320.005

3030 Radioactivity meter battery and carrying case included

FIELDLAB ELECTROSTATIC FIELDMETER



The 775 electrostatic meter detects and measures intensity and polarity of electrostatic fields.

Indispensable for checking packaging materials, circuit assemblies, ionized areas; this versatile meter offers:

- Digital display in KV from 0 to 20KV at 1"(25.4mm). - Accuracy ±5%.
 - LED distancing feature for accuracy.

- Chopper stabilized circuit, for accurate reading in a ionized environment.

- Analog output for recorder.

9265.501

Electrostatic Field Meter 9V battery included

9265.503 Periodic Verification System for ionizers (instrument, charger, plate, cables and carrying case)

HUMIDITY / TEMPERATURE



HUMIDITY / TEMPERATURE PEN

Pen continuously and simultaneously displays both RH and °F/°C with dual-recall memories. Handy pocket clip makes it easy to carry. Memory displays highest and lowest humidity/temperature readings

Temperature:	0 to +50°C	Resolution 0,1°C
		Accuracy ±1°C
Relative humidity:	2 to 98%	Resolution 1%
		Accuracy ±5%
Alcaline battery in	cluded	2xGPA76 - 1.5V

An individually serial-numbered ISO9000 Traceable® Certificate is supplied

9265.200

Humidity / temperature pen

CLOCK / THERMOMETER / HUMIDITY

At a glance tell time, temperature, and humidity in the lab. Ten-inch dial displays quartz-crystal timing.

0.01%
accuracy ±5%

Alcaline battery included UM3 - 1.5V Individually serial-numbered ISO9000 Traceable® Certificate is supplied (timing-only traceability to NIST)

9265.205

Clock / Thermometer / Humidity





PRINTING H	(GROME	TER / T	HE	RMOME	TER
Provides a pe	ermanent	record	by	printing	current
humidity-tempe	erature-time	e-date	a	nd m	aximum
minimum readi	ngs, plus	the time	e/date	e they of	ccurred.
Triple display	/ with	1/2-inch	n-higl	n LCD	digits
continuously a	nd simulta	ineously	sho	ws time	of day,
temperature, ar	nd humidit	у.			
Automatically p	prints the c	current h	numio	dity/temp	erature,
high/low memo	ory reading	gs, and	time	e of day	at any
programmed in	terval or a	t the pre	ss of	f a button).
Temperature: ·	-20 to +50	°C	Re	esolution	0.1°C
				Accuracy	∕±1°C
Relative Humid	lity: 2 to 9	8%	F	Resolutio	n 1%
	/	Accuracy	y: ±	2% (half	range)
Answers in less	s than 10 s	econds			
ISO9000 Trace	able® Cer	tificate i	s sup	oplied	
Supplied with p	aper, prob	e holder/	/stan	d, carryin	ig case
Lithium battery				CR203	32 - 3V
Alcaline battery	1			4xUM3	- 1.5V
9265.210	Printin	g hygror	nete	r / thermo	ometer
9265.212	Pri	inting Pa	aper	(pack of (6 rolls)
9265.214		Rep	lace	ment Ink	Roller