Wabtec
CORPORATION

Test &
Measuring
Equipment

Environ meters

NIEAF
SMITT

General

Measuring non-electrical values or better called environmental values can be of great importance or influence in many industrial circumstances. Examples of such values are temperature or relative humidity. Situations, in which such values can be important, are working environments, utilities etc.

Other values are illuminance or sound level. The illuminance level for example is important to measure at emergency exits. Nieaf-Smitt offers you a wide range of environmeters, which are easy to use and present you the measurements clearly.

Portfolio

	NI T885	NI L204	NI S102	EazyIR
Temperature	-50 ℃...+800 ℃			-30 ℃...+650 ℃
Luminance		0...200.00 Lux		
Sound level			30...130 dB	
Infrared	•			•
Auto power off	•	•	•	
Hold function	•	•	•	
LCD backlight	•		•	
Low battery indication	•	•	•	•
Battery	2x AAA	1x 9 V	1x 9 V	3x AA
Art.no.	626001077	626000593	626000594	626000739

Environ meters

NI T885
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Art.no.: 626001077

Infrared thermometer

The infrared thermometer NI T885 is a highly compact instrument with several options.

The NI T885 can measure temperatures without contact till 800 degrees. With the circular laser pointer the measurements is very accurate. The emissivity can be set by the user.

With the supplied temperature probe a temperature difference can be measured. A High/Low alarm can be set to find a specific temperature quickly.

Features

- Temperature range -30 °C...+800 °C
- Accurate optical resolution of 16:1
- Precision laser pointer with spot diameter indication
- Reading in °C or °F
- Adjustable emissivity (0.1-1.00)
- Dust and water resistant by IP54 protection
- Double temperature reading with type K thermocouple
- High/Low alarm and differential measurement
- LCD backlight

Specifications

Functions

	Range	Resolution
Temperature	-30 ºC...+800 ºC	0.1 ºC
Emisivity correction	Instelbaar 0.1...1.0	
Optical resolution	1:16	
Spectral range	8 µm...14µm	
Response time	< 150 ms	

General

IP protection	IP 54
Drop proof	3 meter
Standards	EN 61326, EN 60285-1
Supply	2x AAA batteries
Dimensions	170 x 95 x 50 mm
Weight	248 g (incl. batteries)
Including	Type K thermo couple, bag, batteries, manual

NI L204

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Art. number: 626000593

Luminance meter

The compact shaped digital light meter NI L204 is a user friendly instrument with integrated sensor. The meter can be controlled by one hand.

The measured value is indicated in Lux or Fc (Footcandles) The maximum range of 200.000 Lux or 20.000 Fc, makes it a versatile meter that can be used in many situations..

Features

- Lux and FC, max range 200.000 lux or 20.000 Fc
- Max hold
- Auto power off
- Low battery indication
- Data hold

Specifications

Functions

Functions	Range	Accuracy
Luminance	0...200.000 Lux / 0...20.000 Fc	$\pm$ 3 %

General

Sampling rate	2.5 times per second
Standards	Pollution degree 2, JISC, 1609 and CNS 5119 A class specifications
Supply	1x 9 V battery
Dimensions	170 x 55 x 38 mm
Weight	250 g
Including	Bag, manual, battery

Environ meters

NI S102
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Art. number: 626000594

Soundlevel meter

The NI S102 is a handheld compact sound level meter with automatic ranging (LO/MED/HI).

Because of the integrated sensor/probe, the instrument can be used with one hand. On demand, the sound level meter can be switched between slow or fast reading and A of C frequency.

Features

- Automatic ranging
- LCD Backlight
- Min - max hold
- Auto power off
- Slow and fast reading

Specifications

Functions

Soundlevel	Range	Accuracy
Soundlevel	LO: 30 ~ 80 dB ME: 50 ~ 100 dB HI: 80 ! 130 dB	$\pm$ 1.5 dB (ref 94 dB @ 1 kHz)

General

Auto power off	20 min
Frequency	A/C
Resolution	0.1 dB
Standards	IEC 651 type 2, ANSI S1.4 type 2
Supply	1x 9 V battery
Dimensions	280 x 80 x 32 mm
Weight	300 g
Including	Sponge, bag, manual, battery

Environ meters

EazyIR
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Art. number: 626000739

Infrared thermometer

The EazyIR is the ideal tool for detecting hotspots, heat patterns and accurate and contactless measuring of temperature. The 'point and shoot' principle makes the EazyIR handy for quick and easy detection and for analyzing a temperature deviation.

Images are stored on the (included) SD-card and can be transferred to a computer for reports etc.

Because of the simplicity of use, robust design and the large temperature range, the EazyIR is the right tool for anyone who is regularly confronted with temperature issues. Examples are:

- Maintenance services
- Inspectors
- Process monitoring
- E-Installers
- HVAC installers
- General industry and utility

Features

- Ergonomic design
- High optical resolution of 30:1 for accurate temperature measurement
- Easy operation via 1 navigation button
- Precision laser pointer with spot diameter indication
- Can be mounted on a tripod
- Short start-up time
- Temperature range from -30 ° C to 650 ° C
- Readout in ° C or ° F
- Adjustable color palette (Rainbow, 'Hot iron' and Black and white)
- Battery indicator
- Storage on SD card (included)
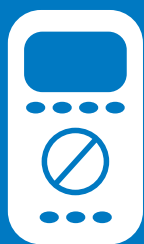- LED for measurments in poorly lit areas
- UV LED for leak detection

Specifications

Functions

	Range
Temperature	-30 ºC...+650 ºC
Resolution	0.1 ºC
Emissivity correction	Adjustable 0.1...1.0 in steps of 0.01
Optical resolution	30:1
Accuracy	$\pm$ 1.5 ºC of $\pm$ 1.5 %
Display	Colour 1.7 inch 128 x 160 pixels
Field of view	30º x 30º
Spectral range	8 µm...14µm
Minimal focus	30 cm
Thermal sensitivity	150 mK
Resolution	128 x 128º

General

Detector	IR array
Laser pointer	Class II laser with spot indicator
IP protection	IP 54
Supply	3x AA batteries (cap. 16 uur)
Dimensions	183 x 103 x 59 mm
Weight	300 g
Including	Micro SD-card, USB-cable, software, manual, batteries

Wabtec CORPORATION

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