



**Just living the
way I want**

Totally reliable



NEAT
Personalized reliable technology

NEO - NEO IP - NEO GSM
The intelligent carephones

NEMO
The mobile call system

TREX
The wireless call system

D-POS
The dementia system

TELE24W
Neat platform

ACCESSORIES
As extensive as your requests

TELEHEALTH
Complete monitoring solution

SPECIFICATIONS
Detailed information on the main devices

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Personalized and advanced technology

We are one of the largest manufacturers of carephones in Europe. Together with the largest service providers, we facilitate the daily lives of tens of thousands of people in the world, in their own homes, in nursing homes or assisted living facilities. And there is more: With our solutions they can live independently and securely: communication systems of NEAT are easy to use and totally reliable. They offer high quality and functional design.

Personal commitment

People take care of people: Our employees are involved in the field of caregiving with passion and expertise worldwide.

The benefits for our customers:

- Partnership-based exchange for a useful and practical knowledge
- Local service and support for quick response on site
- Detailed advice for efficient project planning
- Rapid delivery times for low storage costs and smooth logistics
- Individual billing models for financial flexibility

Excellent product quality

Reliable and state of the art: Our devices are technologically up to date and easy to use. Our partners can expect a high level of customer satisfaction.

The benefits for our customers:

- Excellent product quality for low maintenance costs and high user confidence
- Innovative technologies for new applications and sales momentum
- Attractive design for easy operation
- Regular software updates for future-proof applications
- Above-average warranty and goodwill for financial planning

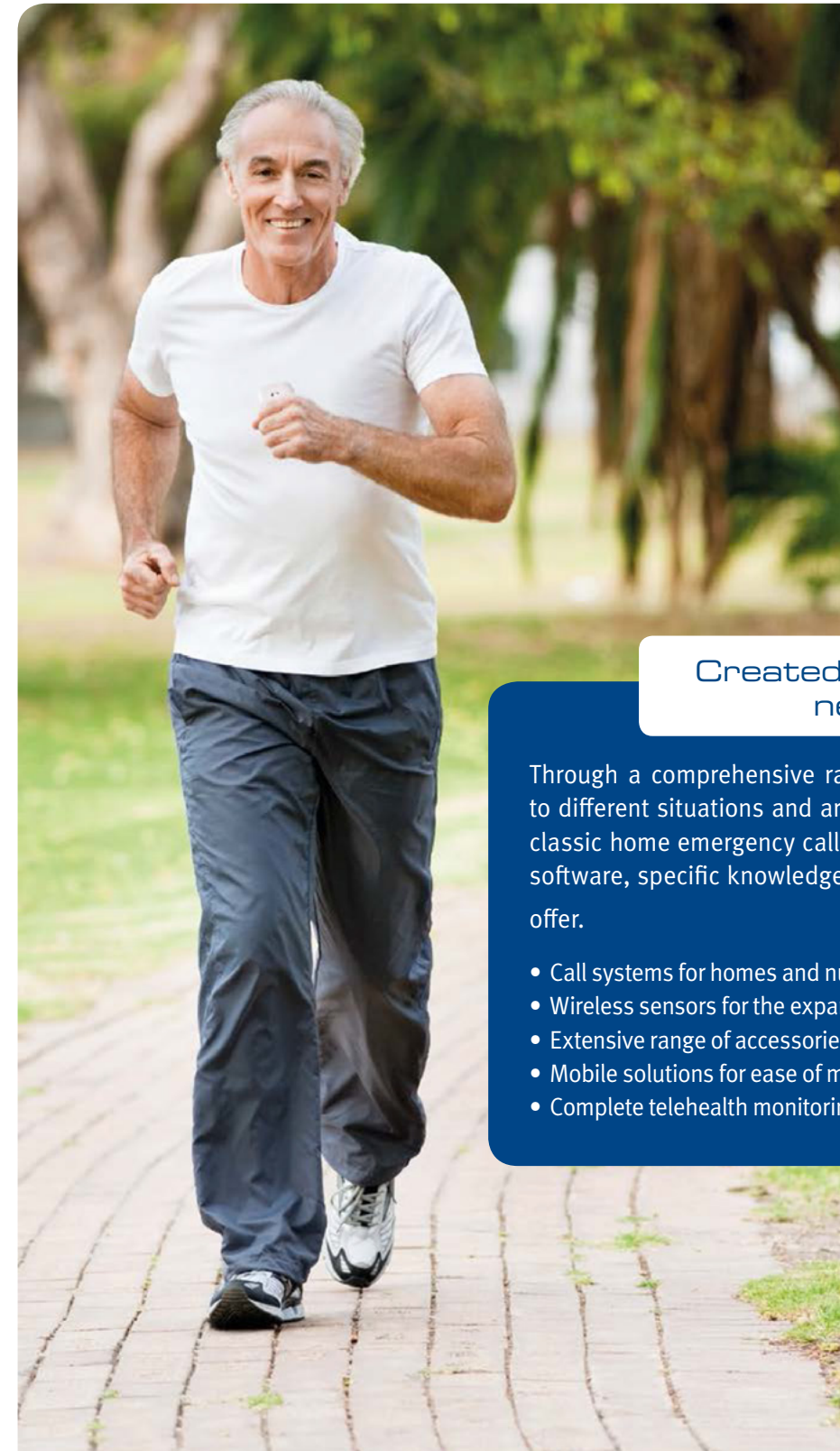
Everything from one source

From the initial consultation to technical support from experts, our customers experience NEAT products as a package with a complete all-round service.

The benefits for our customers:

- Wide range for individual requirements
- Regular on-site training for running the latest know-how of the employees in engineering and sales
- Comprehensive care network for fast and local support
- Newsletter about the latest industry information
- Marketing services and analysis for developing new markets

Our experienced sales staff takes the time to guide customers from the initial idea to the establishment of their investment. Thus, NEAT provides with practical thinking and first-class technology, warmth and a pleasant feeling of security. This is a successful collaboration and also promotes the common good.



Created to fit your needs

Through a comprehensive range of products NEAT responds to different situations and areas. We offer our customers, the classic home emergency call, wireless solutions, accessories, software, specific knowledge and know-how for a customized offer.

- Call systems for homes and nursing facilities
- Wireless sensors for the expansion of communication
- Extensive range of accessories
- Mobile solutions for ease of movement
- Complete telehealth monitoring solution

Enjoy your freedom at home

Who lives at home alone wants to feel safe and secure. Elderly people in particular want to communicate at a crucial moment in a fast, easy and flexible way. The NEO Service System solves this problem; it is as reliable as discreet and elegant: The functional design and its compact dimensions fit seamlessly into any living environment.

When the red button is pressed, it contacts the emergency call center or a relative and establishes a voice connection. An emergency call can be sent to up to six different people automatically. A built-in speaker and an integrated microphone make every word is clear.

NEO

The carephone complete system

- Executable by alarm button or radio transmitter ATOM
- Functional design
- Only 18 x 19 cm small
- Numerous security features
- Easy programming
- Compact power adapter
- Excellent acoustics
- Wide range of accessories
- Plug & Play functionality
- Illuminated red button

ATOM / I-ATOM

The portable radio transmitter

- Handy size (only 44 x 35 x 11 mm)
- Functional design and high wearing comf
- Two optical signals to confirm (bi-directional radio link)
- Numerous security features
- Long battery life
- Optimized transmission power
- Various security features
- Waterproof according to IP 67
- Available in the version I-ATOM with integrated activity control



SERVICE
Alarm Center

NEO can easily be combined with numerous other NEAT devices and is of course compatible with most call centers.



NEO At a glance

- Comprehensive: NEO family with integrated interface and programming
- Variety: We have different models for landlines, VoIP, IP and mobile phones that allow you to always remain in touch
- Practical: With firmware updates, always up to date



HAPA
Handicap Adapter



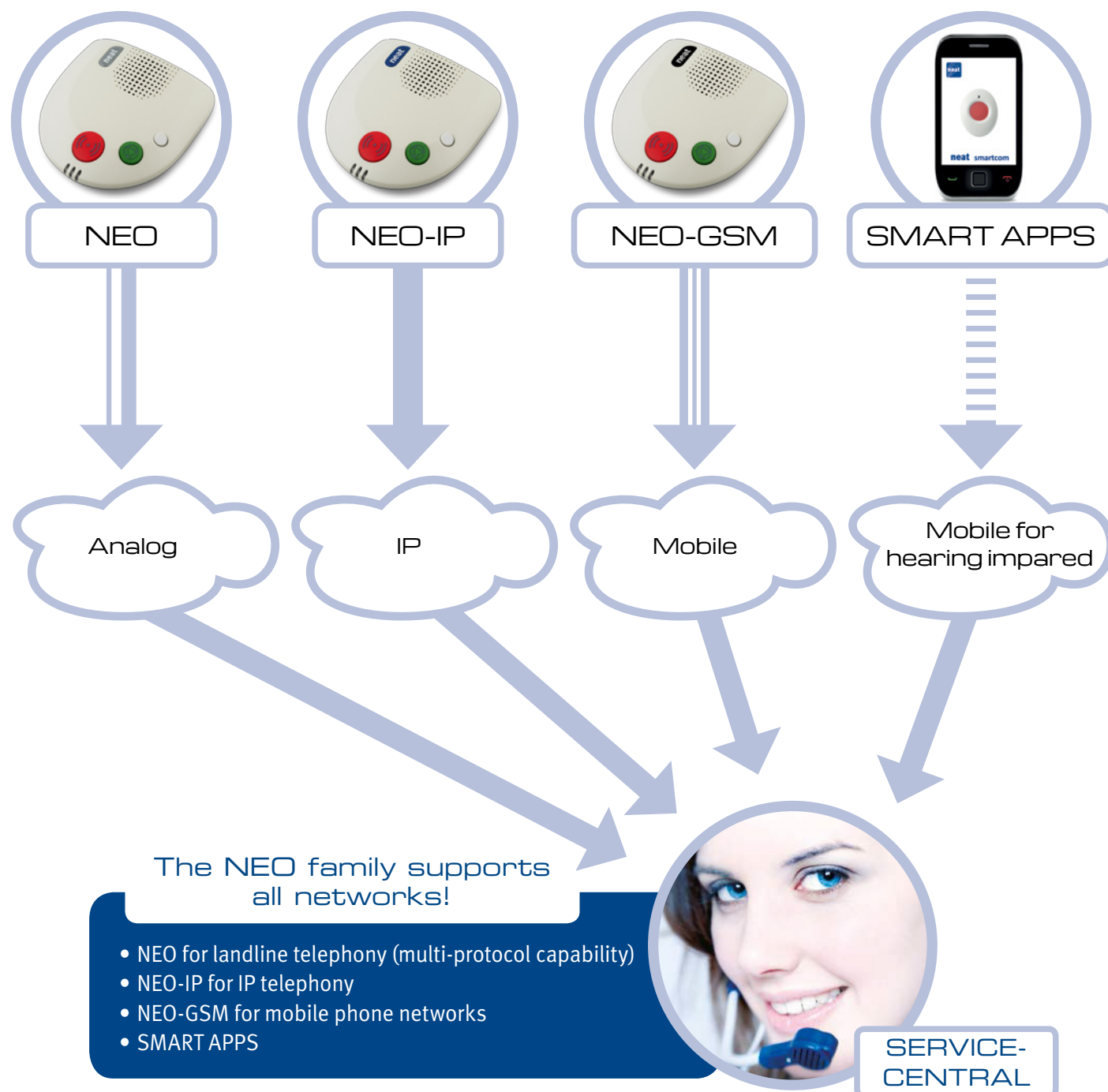
SMOKE
Smoke detector



NEO
Carephone

Optimal connection with all networks at any time

The NEO family is optimally designed to meet the site -and user- specific requirements of use. NEO as a basic device works with any landline connection. This allows service providers to choose the version that best fits their needs regarding comfort, service, ease of use and cost effectiveness. If the customer opts for IP telephony, there are future-ready versions of NEO that operate via Ethernet connections. In situations where landline connections are not available, NEO-GSM creates connections using mobile networks.



Programming options

Local Configuration

Configuration with a PC

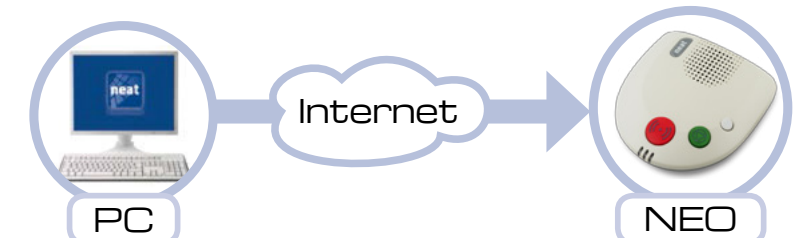
Convenient and fast for professionals and easy for beginners



Remote Configuration

Configuration with PC via Internet

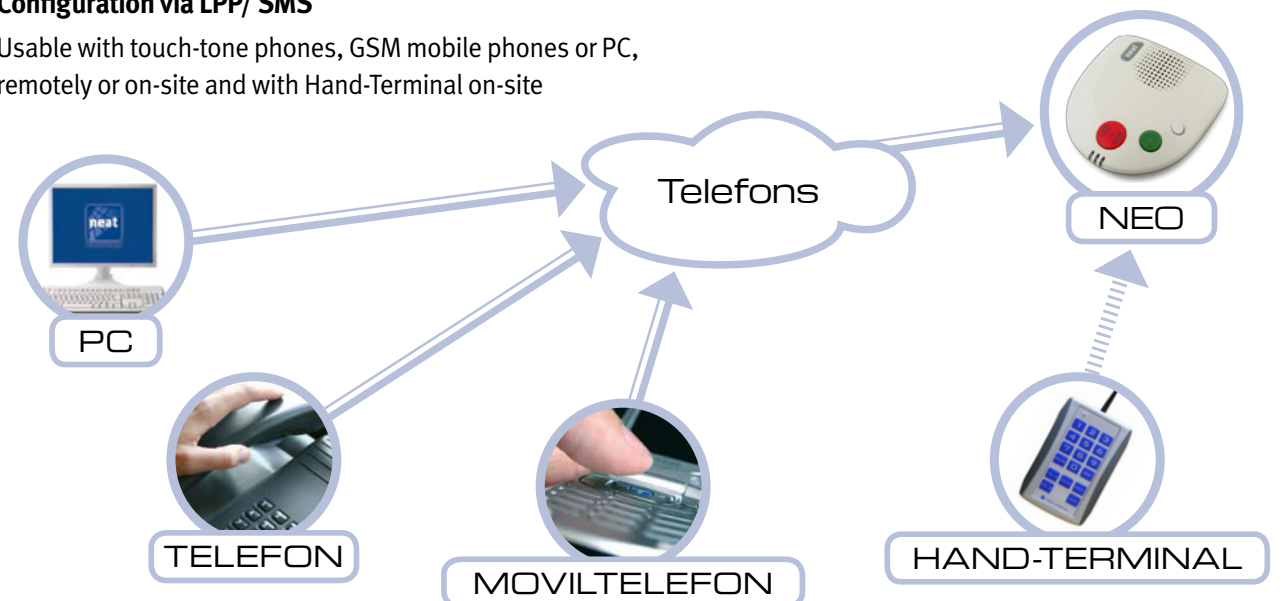
Convenient and fast with the web browser



LPP Configuration

Configuration via LPP/ SMS

Usable with touch-tone phones, GSM mobile phones or PC, remotely or on-site and with Hand-Terminal on-site



Relax when you are out

In order to move freely, older people, high-risk patients, children and people who often work alone such as nurses, farmers, hunters and security guards need a modern and innovative companion.

NEMO is available anywhere and anytime while providing maximum comfort. It is like a mobile phone and works at home as a normal carephone. Incoming calls can be answered and emergency calls are made via the hands-free voice connection to an emergency call center or family members.

NEMO

The mobile call system

- Small, convenient format (100 x 48 x 20 mm)
- Available with and without GPS
- Available with and without radio transmission
- Works anywhere with SIM card like a mobile phone
- Easy to use with only 2 buttons
- Buttons recognizable by touch and distinguished by color
- High-quality hands-free calling anywhere at home
- Display to show the important status information
- Automatic and manual alarm
- Possibility to use the numerous radio transmitter sensors from the NEAT range



ATOM / I-ATOM

The portable radio transmitter

Usable at home as a mobile call system with ATOM or I-ATOM



NEMO can be used with or without satellite positioning and operated by the radio transmitter ATOM also in basements without GSM network. Thanks to its waterproof qualities, ATOM is usable when showering or bathing.

NEMO

At a glance

- Out and about: Like a mobile phone, it is reachable, always and everywhere.
- At home: Usable as a mobile call system with ATOM or I-ATOM
- Extendable: Up to eight radio transmitter components with their own alarm type
- Flexible: Individual time frame for each radio transmitter component
- Reliable: Integrated transmission path monitoring



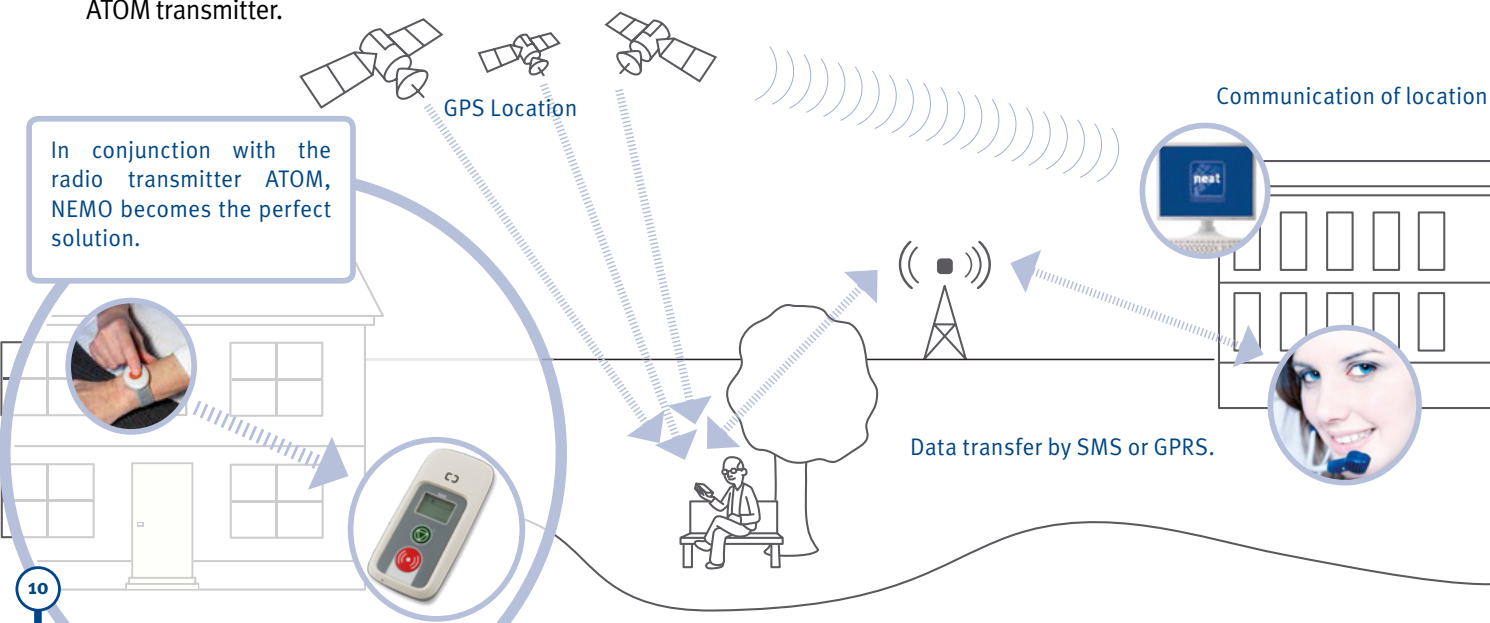
DOOR
Door alarm



PULL
Pull cord button

NEMO in action

Thanks to modern technology, people can have more freedom of movement: In an emergency, you just have to press a single button and a hands-free connection is established via the GSM network to an emergency call center or a relative. NEMO can be used with or without satellite positioning and can also transmit from cellars without GSM reception via the ATOM transmitter.



Simply more time for care

TREX was designed specifically for internal communication in the private and public care sectors. When combined with the ATOM radio transmitter it results in an extremely efficient wireless care and monitoring system that can alert family members or personnel to a call for help within seconds.

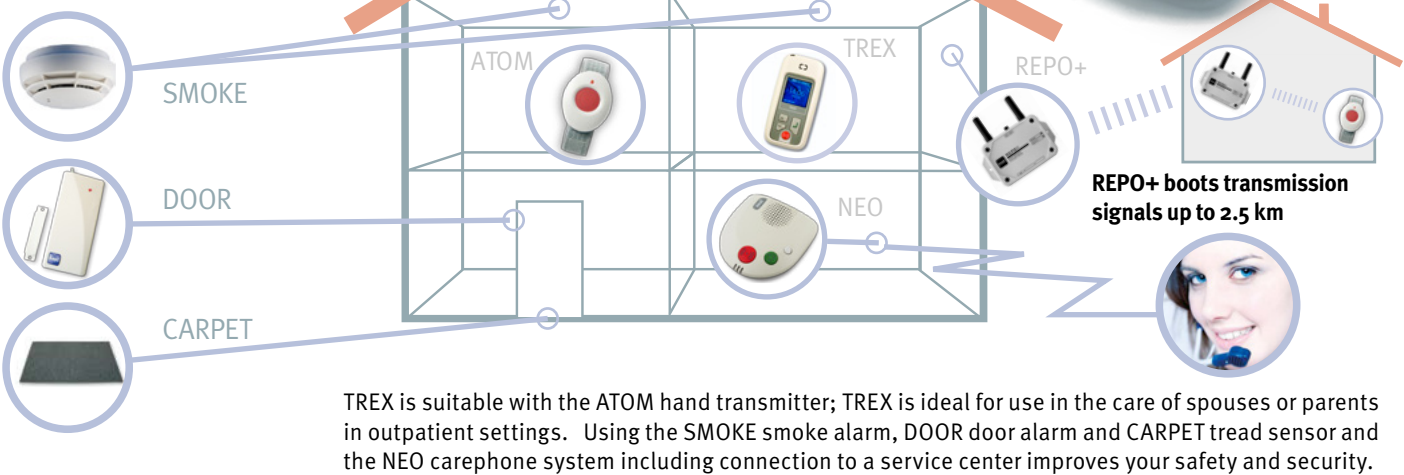
TREX

The portable receiver

- To set up mobile call systems in the care sector
- Wireless and is therefore easy to install.
- Receives up to 255 channels
- Bidirectional transmission path
- Saves the last 32 alarms received
- Easy programming for care staff
- WALL family components controllable
- Can display position via D-POS
- Small, practical format (100 x 48 x 21 mm)



Outpatient use



Use in SEMI-INPATIENT SETTINGS

In inpatient settings, TREX stands out due to its alarm list and its capacity to receive up to 255 transmitters. Here, the PULL pull cord, the REPO radio repeater or the logging device D-TECT, including D-TECT LOGGER software are useful add-ons.



Thanks to its flexibility TREX is the ideal and reliable companion on a daily basis when used within private households, by professional care workers or in assisted living facilities. Prior permission or authorization is not required to use TREX, so it is free of charge, registration is not required and it is suitable for immediate use. TREX operates on the European Social Alarm Frequency 869MHz.



TREX

At a glance

- Efficient: The wireless system for the care sector
- Flexible: Can be used in inpatient and outpatient settings
- Expandable: Numerous accessory options



PUSH + PEAR
Alarm+pear button



SMOKE
Smoke detector



PULL
Pull cord button

Reliable care for dementia patients

NEAT makes the care of dementia patients easier with the dementia-System D-POS and the DOOR Door alarm. Both devices facilitate the work of nurses in a simple and functional way. You create controlled spaces for patients. The dementia-System D-POS works optimally with the portable receiver TREX.

D-POS ANT

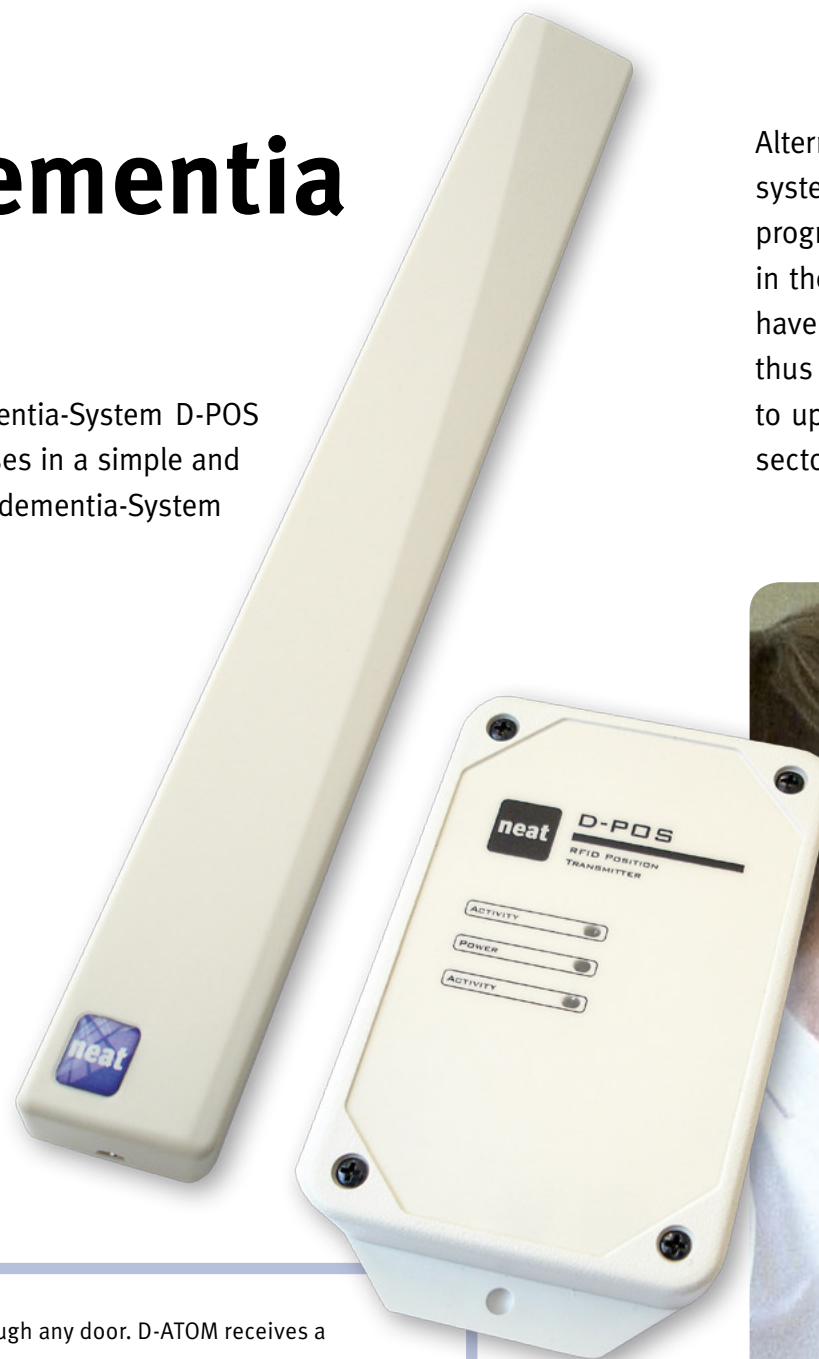
The positioning antenna

- Adjustable transmission power
- Two antennas for two differently polarized magnetic fields
- 125 kHz with high transmission power

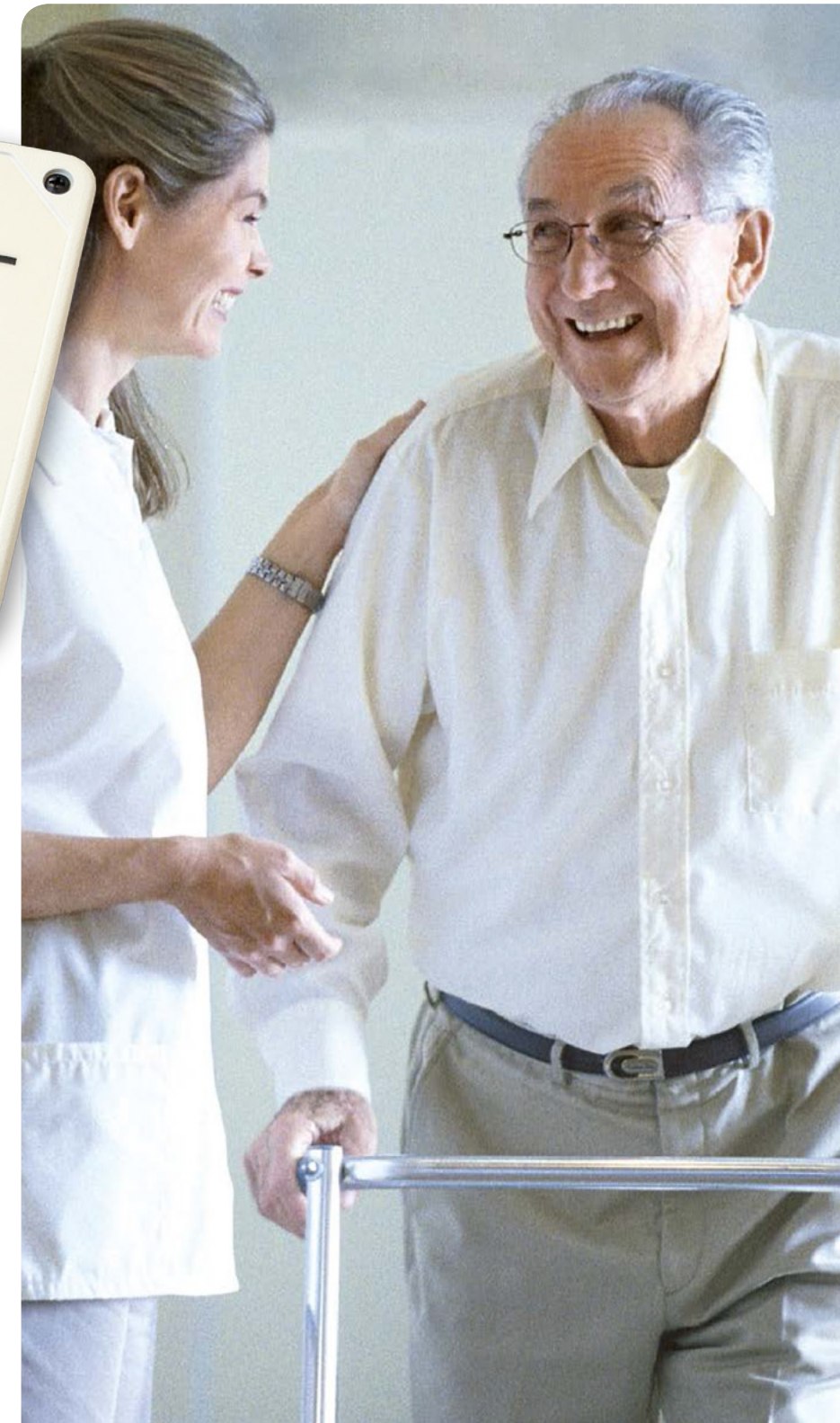
D-POS

The control unit

- Can be distributed in up to 16 zones
- Up to 255 different door IDs can be configured
- Movement test function
- Synchronization of two D-POS units is possible
- Configuration via PC and NPU is possible



Alternatively, D-POS can also be connected with the NEO carephone system or with an existing nurse call system. The specially programmed D-ATOM radio transmitter receives a signal from D-POS in the low frequency range and transmits it onwards. Patients only have to wear nothing more than a D-ATOM around their wrists and thus enjoy maximum freedom of movement. The D-POS is simple to upgrade and is thus well-suited for use in the professional care sector.



D-POS

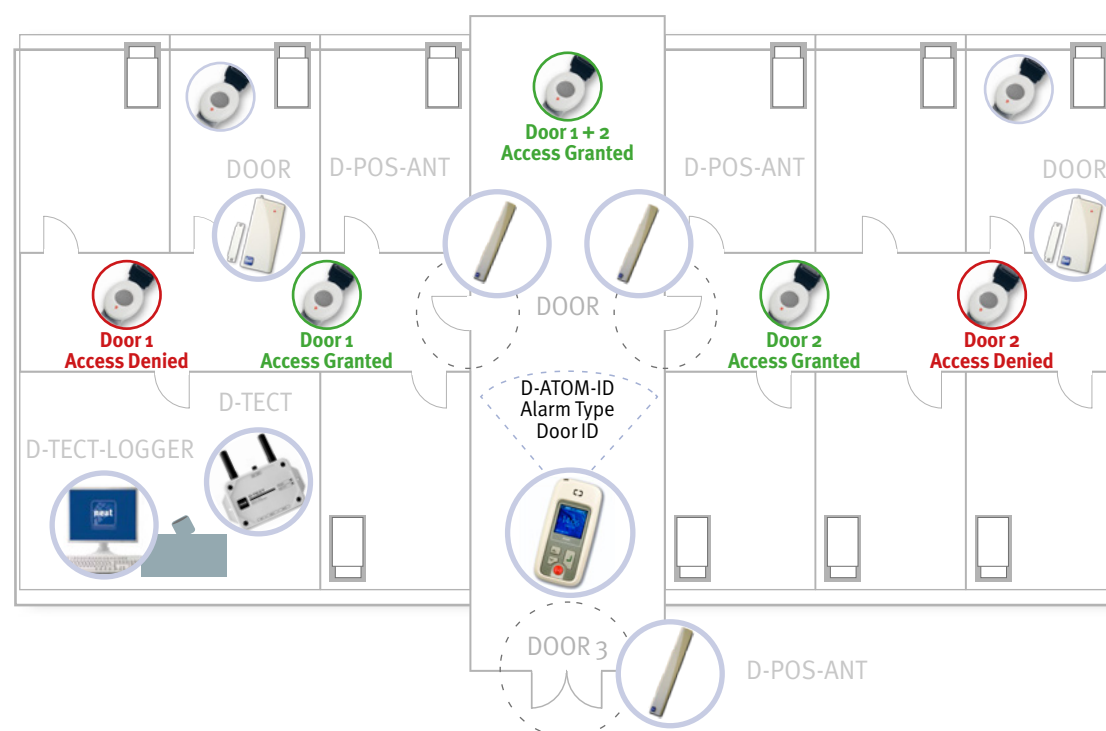
At a glance

- Reliable: To take care of people with dementia
- Flexible: Easy to upgrade
- Systematic: for example, components such as TREX, DOOR or D-ATOM can be added



Example: (semi) inpatient care

The dementia-System D-POS registers when a patient, wearing a D-ATOM, walks through any door. D-ATOM receives a signal from D-POS and sends it to TREX.



Efficient and safe: Cloud based management

Tele24W minimizes investment hardware, software and infrastructure (servers, cooling, ...) technology and always have the avant-garde technology with automatic updates and upgrades. Tele24W allows complete management of telecare service centers introducing the concept "pay per use"; NEAT shows its commitment to clients' growth removing the initial investment.

NEAT Tele24W platform allows geographic delocalization, optimizing human resources within the call centers and aiming the employment of people with disabilities by enabling remote work, thus improving the reconciliation of work and family life.

Delocalization allows, in turn, improving time management during exceptionally high workload periods, delivering care resources as needed without having to hire additional staff or mobilize them physically from one center to another. Being especially useful during special campaigns.

Tele24W

Telecare platform

- Web Access to data and functionality
- Specialized Data Centers
- Tailor made configuration
- Scalability
- Avant garde technology
- Extensive user file
- Campaigns
- Complete telecare service management
- Incoming and outgoing calls management
- Agendas, monitoring and reminders
- Reference operator
- Billing assistance
- Integration with Reporting, BI, Localization
- Offline module for data collection and updating at home

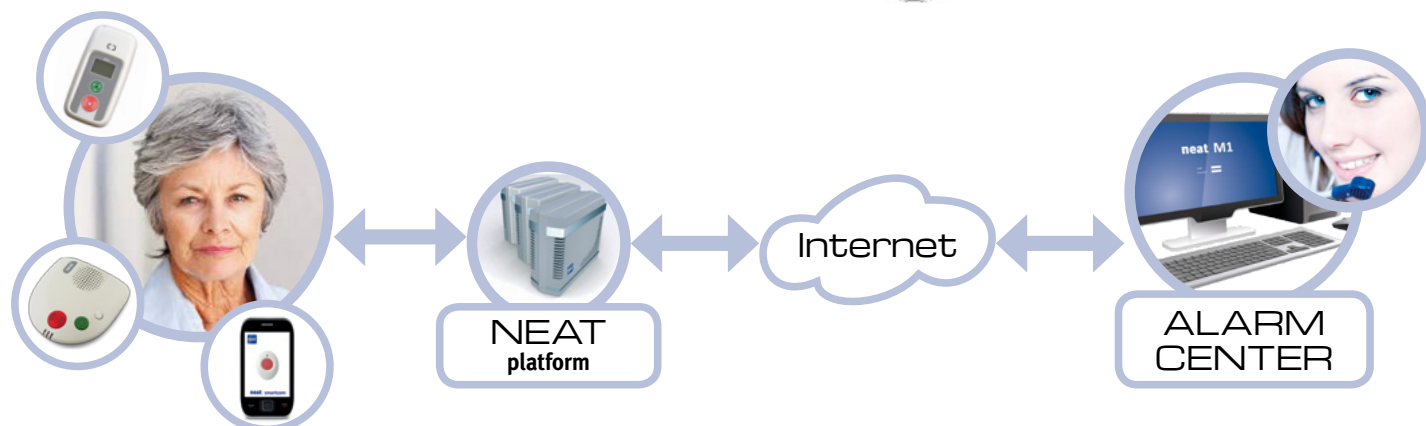


Tele24W

At a glance

- Minimization in technology, infrastructure and technical services
- Agility in start up times
- Management of telecare services centers
- Pay per use business model
- Delocalization

TELE24W in use



As extensive as your wishes

Reliable security and ease of use are the key benefits of Neat Products. Automatic monitoring functions ensure that each product is available 24 hours a day for you. The components are very accessible, with customized configuration, easy to install and immediately ready for use (plug and play). In addition, Neat offers the right equipment for every situation. The result is a complete system that is ready to use and works smoothly.



Health Monitoring complete solution

TeleMedCare (TMC) Health Monitor and TMC Portable Monitor are part of a new system that includes the device, peripherals, communication with the database. Specially designed for monitoring for chronic patients, reducing health costs. Designed for use in primary care clinics, nursing homes, pharmacies and conveniently and quickly massive data collection.

TeleMedCare devices emphasize easy of use, compact and ergonomic design. It has a large touchscreen that guides the person in management. It is multi-user and includes biometric recognition through the user's fingerprint. It also has integrated mechanisms for measuring vital signs such as blood pressure, electrocardiograph, spirometer, pulse oximeter and scale, and, it is possible to introduce manually measurements of glucose, temperature, INR and cholesterol. HL7 compatible.

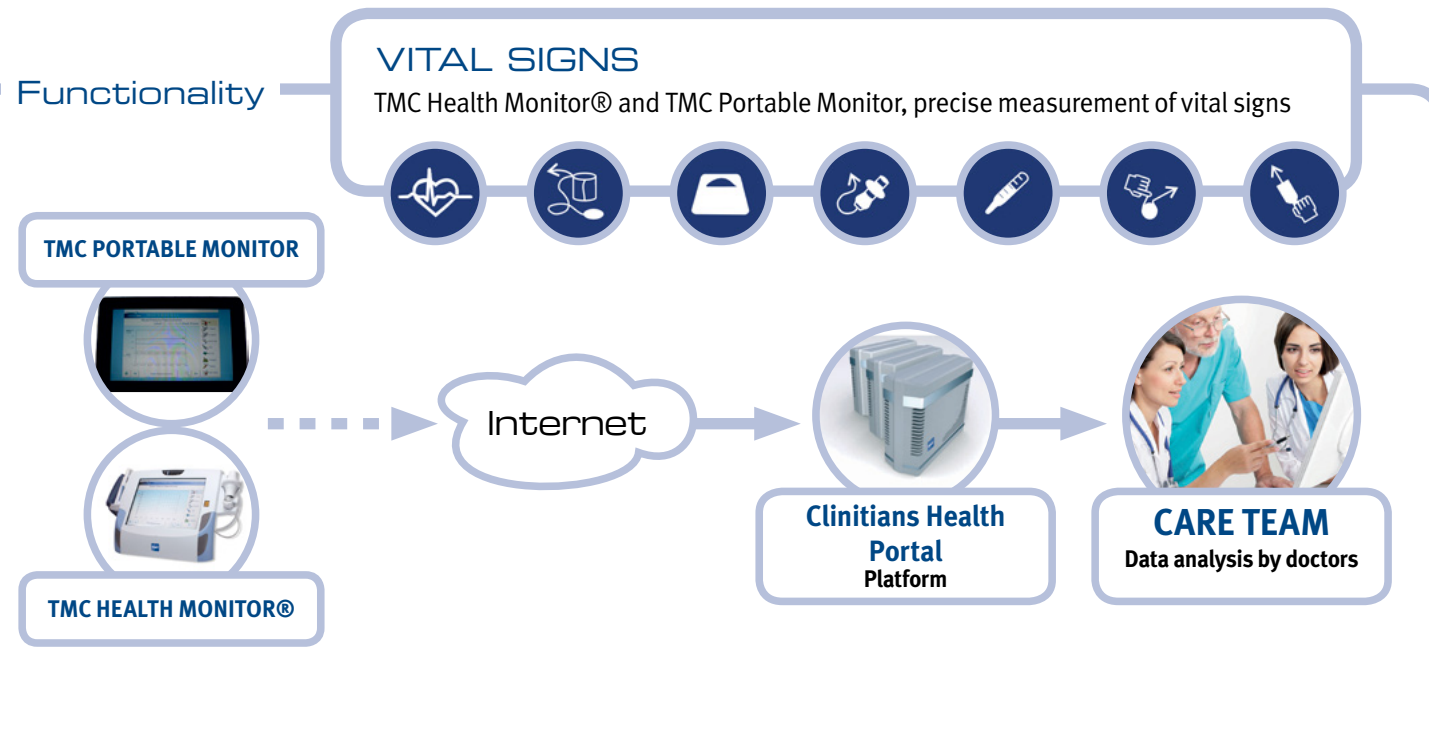


Clinicians Health Portal

Clinicians Health Portal is a secure online health portal, accessible everywhere, allowing clinicians to view the latest clinical measurement data for any of their patients as well as all historical data.

The Clinicians Health Portal has been developed in accordance to international medical device standards for functionality, performance, security and safety. It's advanced security system is customisable to your organisation needs. All user data is safe and highly accessible. The Clinicians Health Portal provides all the features required for managing both the technical and clinical aspects of telehealth deployments.

The health portal has a mature interoperability capability that can be adapted to interface with an existing patient management software. Clinical results from health monitors can be automatically fed into third party clinical management applications.



Solutions for all types of scenarios

TeleMedCare (TMC) Health Monitor for mobile and personal applications (mobile Health Corner and personal Health Corner) combined with the HMC Health Portal provide the perfect solution for self care, prevention and health management. Whether for home, service homes, pharmacies and business with a clear commitment with occupational

Health Corner®

- Multiuser solution
- Comprehensive centralized data collection
- Time and resources optimization
- Total convenience for the patient and carers

Home monitoring

- Home care solution
- Easy of use
- Tablet PC technology
- Access to clinical support

Applications

CARE

- Better management for residents through earlier detection of adverse trends, improved diagnosis and better follow up.
- Facilitates communication between residential care nurses, carers, doctors,...
- Maximum privacy due to fingerprint scanner

CLINICAL

- Monitoring of chronic patients, contributing to the effective use of limited clinical resources.
- Reliable, accurate measurements of diagnoses.
- Immediate and fast data access.
- Automated reports via web, mail or fax.

WORK

- Monitoring and tracking employees' health over time.
- Empowering employees to reduce risk factors through constant feedback, motivation and health education.
- Biometrically encrypted for maximum data security.
- Statistic reports of anonymous data.

FITNESS

- Tool to measure health and fitness levels for complete management of personal well being and fitness.
- History data for the development of the measured values.
- Quick and easy.

SMOKE

The wireless smoke detector

The wireless smoke detector provides an early warning in case of fire or heavy smoke. If the device detects smoke, an acoustic and optical signal is activated. An alarm is also transmitted to any other NEAT receivers such as the NEO carephone system. SMOKE works with the EU radio frequency authorized for social alarms.

- Alerts when there is excessive smoke
- Lithium battery with two to three years' lifetime.
- VdS certification
- Battery alarm to emergency call center before local alert
- Only one battery for alarm and radio transmitter

FALL BRACELET

The fall detector

FALL monitors people at risk of falling, such as older people or people with impaired mobility, by detecting falls and automatically reporting them. A fall alarm can be received by all of NEAT's receivers, such as NEO or TREX, and then be relayed onwards.

- Pre-alarm through vibration on wrist
- Integrated manual call initiation
- LED display
- Bidirectional transmission path
- Battery life (approx. two years)
- Automatic "dead battery" recognition
- Weight 50 g (including batteries)

DOOR

The wireless door alarm

The door alarm DOOR sends an alarm by radio when a monitored door is opened. If the door is closed and opened again, a further alarm is triggered. DOOR displays the transmission of the alarm and confirmation of receipt using LEDs.

- Only 34 x 85 x 24 mm in size
- Door alarm with integrated reed contact (doorstop flexible) LED display
- Sends a radio signal when the magnet contact is triggered (door is opened)
- Power-on and output delays are configurable
- Two-tone LED display
- Automatic "dead battery" recognition
- Input for potential-free contact to bypass or set tripping delay (configurable)
- Handy and easy to install
- On/off switch
- Battery status monitoring
- Can be programmed manually or with PC

PIR

The radio transmitter motion sensor

The PIR motion sensor monitors the presence of people and registers their movements. It first registers the inactivity of people and triggers a passive alarm via radio to TREX or NEO. PIR can also be installed to monitor a bed. When the user gets up in the morning, an alarm is transmitted.

- Passive Alarm
- Bi-directional transmission path
- Easy installation without drilling
- Battery monitoring
- Burglary alarms

ATOM

The portable radio transmitter

The portable radio transmitter ATOM sends an alarm to the emergency call systems. ATOM is very easy to operate and its small size ensures maximum wearing comfort.

- Only 35 x 44 x 11 mm in size and 13.2 g in weight
- Convenient: Wristband or neck collar
- Optical transmission and reception by two-color LED
- Bidirectional transmission path for extra security
- Long battery life
- Automatic boosting of signal for large distances
- Countless security features

I-ATOM

The intelligent radio transmitter

The intelligent I-ATOM allows people requiring living assistance to live without any worry. It constantly monitors the activity of its wearer and triggers an alarm if no activity is detected.

- Only 35 x 44 x 11 mm in size and 13.2 g in weight
- Convenient: Wristband or neck collar
- Optical transmission and reception by two-color LED
- Bidirectional transmission path
- Long battery life
- Automatic boosting of signal for large distances
- Countless security features
- Automatic activity button function
- It alerts when the transmitter is not being worn

GAS / TEMP / WATER

The gas, temperature and water detectors

The temperature detector TEMP and the gas detector GAS warn against sudden temperature increases or against gas leakage. Both operate according to the tried-and-tested semiconductor principle.

TEMP - The wireless temperature detector

- Detects extreme increases in temperature
- Visual and acoustic alarm
- Automatic self-test function
- Bidirectional transmission path
- Only one battery for alarm and radio transmitter

WATER - The radio transmitter water alarm

The water leak alarm alerts you to unexpected leaks. When water comes into contact with the integrated electrode it alters the electrical resistance. WATER conducts an electronic analysis and then triggers an acoustic and visual warning signal.

GAS - The wireless gas

- Protection against a possible gas explosion
- Visual and acoustic alarm
- 2 versions: butane / propane and methane
- Bidirectional transmission path
- External power supply Acoustic and visual alarms
- Automatic self-test
- Battery monitoring
- Simple wireless installation
- Bidirectional transmission path
- Only one battery for alarm and radio transmitter





PEAR
Pear button



PUSH + PEAR
Falta texto aqui



PULL
Bathroom alarm



PUSH + PULL
Alarm button+bathroom alarm



PUSH
Alarm button



WIOR
Wireless converter

WALL FAMILY

The call button for a variety of uses

The WALL-family consists of nine devices. They are mainly used in the outpatient and inpatient care area. The devices of the WALL-family are radio-controlled, but can also communicate with other wired devices.

Depending on the radio coding and location the relay control is carried out via a configurable action plan.

All units have two wired inputs and outputs. The unit KEY can deactivate one or both external accesses. If a button or a connection to the wired inputs is activated, the Unit sends a radio signal with a programmable alarm type and a preconfigured radio identifier to the emergency call system.

To facilitate the installation, all the cables are connected to screw terminals.

Functionality and security

- Alarm notification via radio
- Configurable alarm type
- Battery status monitoring
- Regular test alarms (optional)
- Power supply with AC or battery power (depending on function)

Programming

- The WALL family is as easy to program as the other NEAT accessory devices

Configuration and installation

- Manually by jumper or by the WIOR programmer
- Surface or flush mounting possible

Specifications

- Radio-frequency: 868.7, 869.2 or 869.4 MHz
- Power supply: 10-28V (30V max)
- Battery: 2 AAA batteries
- Size: 85 x 85 x 30 (LxWxH)
- Weight: about 125-150 g.



3 PUSH
Multifunction button



3 PUSH+PEAR
Multifunction+pear button



KEY
Control device

EPI CARE FREE / EPI CARE 3000

The bed sensor and wrist sensor for epilepsy.

The bed sensor EPI CARE 3000 is an innovative small-sized device that offers a high degree of sensitivity; it can detect not only the repeated movements resulting from severe convulsion, but also detects the soft convulsions that occur during sleep, in cases of nocturnal epilepsy. The wrist sensor EPI CARE FREE detects the unconscious movements of the arms, which are presented for a generalized tonic-clonic seizure.

- Built-in battery
- Wireless data transmission
- Alarms can be sent to a TREX



FLOOR

The floor sensor.

It can be placed in front of the bed or door, or underneath the floor covering if required. When the patient gets up, the sensor recognizes the first movements and the control unit sends a signal to the receiver. FLOOR is particularly good for monitoring at-risk patients at night.

- Dimensions: 580 x 1500 x 10 mm
- Triggering delays can be programmed (e.g. when using the toilet)



HAPA

The disability adapter

The adapter HAPA is ideally suited for the care of people with mobility disabilities and works with any radio transmitter ATOM.

- Dimensions: 45 x 17 x 105 mm
- Highly sensitive, easy to activate button (45 x 80 mm)
- With a portable neck strap
- Or for wall mounting



BREATH

The breathing sensor

The wireless body sensor .

The BREATH breathing sensor makes the lives of even the most severely disabled people easier. It can be placed directly beside the bed or attached to the bed.

- Triggered by pneumatic sensors and / or the lightest breath or directly through the integrated wireless transmitter.
- Two-tone monitoring via ATOM's LED display
- Protection against infections through bacteriological filter
- Simple assembly, no tools required
- Easily exchangeable mouthpiece
- Bidirectional transmission path
- radio transmission to NEO and TREX
- Manual alarm (e.g. for nurses)



NPU

The programming unit

NPU makes configuring NEO, ATOM, TREX and the IOR radio transmitter box family easy and convenient.

- Possible connection to a PC with Windows operating system
- Built-in radio receiver
- USB connection cable included



HAND

The hand-held terminal

The ideal tool for mobile care workers, allowing them to manually configure NEO on-site.

- Only 60 x 95 x 28 mm in size
- No phone or PC required.
- Only 132 g in weight



CASE FOR NEMO AND TREX

The comfortable leather bag

This high-quality leather bag provides optimal protection for the NEMO mobile transmitter. The display window allows NEMO to be operated and read. The integrated clip allows the bag to be attached to clothing with ease.

- Produced in custom-fit, high-quality leather
- Transparent display window
- Ports for charging adapters, microphone and loudspeaker



STATION FOR NEMO AND TREX

The functional charging station

Both NEMO and TREX securely fit into this charging station. They are recharged with a reliable source of power, thus ensuring they are ready for use and functional at any time.

- With charging cable and barrel jack
- Easy to mount NEMO and charge
- High-quality, robust material



REPO

The radio repeater for all radio transmission devices

When it receives a signal, REPO boosts it and retransmits it. This makes it an ideal device to use with the NEO carephone system. It can take account of all signals received or only those from preprogrammed radio transmitters as required. It is delivered with a wall-wart adapter and a battery.

- Only 89 x 63 x 28 mm in size
- Transparent reception of all locally used transmitter components
- Up to eight different channels can be preprogrammed
- Battery powered in case of power failure
- Bidirectional transmission path
- Cascadable (multiple REPOs)
- Can be programmed manually or with PC



REPO+

The dual radio repeater

The REPO+ radio repeater extends a device's transmission path using the 869.2 MHz frequency. On the 869.4 MHz frequency, the transmission path between two REPO+ devices or to a TREX device can be extended by several hundred meters. In both cases, the transmission range extension REPO+ provides means you need noticeably fewer devices.

- Only 111 x 63 x 28 mm in size
- Can be programmed manually or with PC
- Reliable radio transmission with received signal and bidirectional transmission path



INKA

The radio transmitter for wired inputs

INKA is a versatile accessory for the home emergency and service systems of NEAT. It processes both digital and analogue signals. If an input is triggered, INKA broadcasts a radio signal to the receiver. INKA is suitable for use with up to five inputs.

- Only 89 x 63 x 28 mm in size
- Five inputs (potential free contacts), including two for threshold measurements
- Battery powered in case of power failure
- Reliable radio communication through bidirectional transmission path
- Can be programmed manually or with PC



IOR

The radio transmitter for monitoring wired inputs and outputs

IOR monitors wired components and radio signals. If one of the cable inputs is activated, IOR sends a signal to devices such as NEO or TREX. If IOR itself receives a preprogrammed signal it triggers the output. IOR is suitable for use with up to five digital inputs and one output. The output can be programmed in pulse, switch and static modes. This device is regularly monitored via the transmission of a test alarm.

- Only 89 x 63 x 28 mm in size
- Five inputs (potential free contacts)
- Output can be programmed in the pulse, switch and static modes
- Output also can be controlled via NEO
- Battery powered in case of power failure
- Reliable radio communication through bidirectional transmission path
- Can be programmed manually or with PC



LINK

The wireless receiver with potential-free output

LINK triggers the output contact following receipt of a preprogrammed signal. LINK is suitable for use with up to eight radio transmitter devices. Supplied with an AC adapter and a battery, that works in case of power failure.

- Only 89 x 63 x 28 mm in size
- Output can be programmed in the pulse, switch and static modes
- Output also can be controlled via NEO
- Up to eight preprogrammed transmitters can be configured
- Can be programmed manually or with PC
- Battery powered in case of power failure
- Bidirectional transmission path



NEO FAMILY

**Small size, big performance**

- Only 19 x 18 cm x 3 cm small
- Weight: 400 g
- High sound-level pressure, duplex communication
- Volume control
- Very compact plug adapter
- Multi-protocol enabled
- Alarm-type-specific call sequence for up to 10 alarm type groups
- LED display for important information
- Easy wall mounting
- Housing + loudspeaker splash proof
- Number 52.40.01.1045 in the nursing resource directory

Usability and transmission

- Large buttons, reachable from anywhere
- Differently colored function buttons with touch-recognition surface
- Easy to locate at night due to illuminated buttons (programmable)
- Bidirectional transmission path
- Multifaceted and various programming options
- Very easy programming
- Important functions programmable directly in the device
- NEO-IP can be configured via WAN

Security Features

- Monitoring of telephone line
- Detects and reports power outages
- Battery monitoring
- Emergency power mode through integrated battery
- Acoustic and visual warning function (programmable)
- Monitoring of bidirectional transmission paths
- Interference alarm when disruption comes from other radio transmission sources
- Radio communication with confirmation
- Plug-and-play private branch exchange
- Simple firmware updates possible

ALWAYS IN CONNECTION

The NEO family supports all networks. If the customer opts for IP telephony, there are future-ready versions of NEO that operate via Ethernet connections. In situations where landline connections are not available, NEO-GSM creates connections using mobile networks.



CENTRAL SERVICE



NEO



NEO-IP



NEO-GSM



SMART APPS

ATOM / I-ATOM

**Handy and comfortable**

- Only 35 x 44 x 11 mm in size
- Only 13.2 g in weight
- Convenient: Wearable as an armband or collar
- Waterproof according to IP 67
- Long battery life
- Automatic energy-saving mode (programmable)

Usability and transmission

- Easy to find button due to strong colors
- Automatic activity button function
- Radio transmitter monitoring
- Optimized transmission performance
- Bidirectional transmission path
- Available with integrated activity monitoring in the version with I-ATOM

Security

- Reliable radio communication through bidirectional transmission path
- Two-tone display for alarm button pressing (red) and receipt (green)
- Battery monitoring with alarm to service center
- Visual signal for weak battery
- Regular radio test alarm (programmable).

TREX

**Handy and functional**

- Only 100 x 48 x 21 mm in size,
- 80 g in weight (with battery)
- Receives up to 255 channels
- Can display position via D-POS
- Rechargeable lithium-ion battery without memory effect
- Standby time of up to one week
- WALL family components controllable

Usability and transmission

- Very simple installation and operation (wireless)
- Easy to clean
- Bidirectional transmission path
- Variable and flexible programming
- Can be combined with other components of NEAT
- When multiple TREX are used assistance calls are possible
- Integrated real-time clock

Security Features

- Alarm via acoustic signal or vibration
- Saves the last 32 alarms with date, time, sender ID and sender name
- Background-lit display with programmable plain text display
- Robust plastic housing

D-ATOM

The appropriate wireless transmitter for D-POS

**Handy and functional**

- D-POS: 130 x 71 x 27 mm in size,
- D-POS ANT: 30 x 212 x 24 mm in size
- Up to 255 different door IDs can be configured
- Adjustable transmission power
- Ferrite or ground loop antenna
- For doors with a width up to 2.50 m
- Surface- or flush-mounted

Usability and transmission

- Can be distributed in up to 16 zones
- Synchronization of two D-POS units is possible
- Configuration via NPU is possible
- Two antennas for two differently polarized magnetic fields
- Can be linked to door opening

Security Features

- Movement test function



NEMO

**Handy and functional**

- Only 100 x 48 x 21 mm in size
- 80 g in weight (with battery)
- Very easy to operate with only two buttons
- Highly valuable speaker function, with excellent speaker quality
- Functional just like a mobile phone
- High standby times of up to 10 days
- Rechargeable lithium-ion battery (1300 mAh)
- Integrated phonebook with eight phone numbers
- Data transfer by SMS or GPR
- Freely eligible PIN number for SIM card
- Integrated carephone functions such as activity monitor button and test alarm

Ergonomics and usability

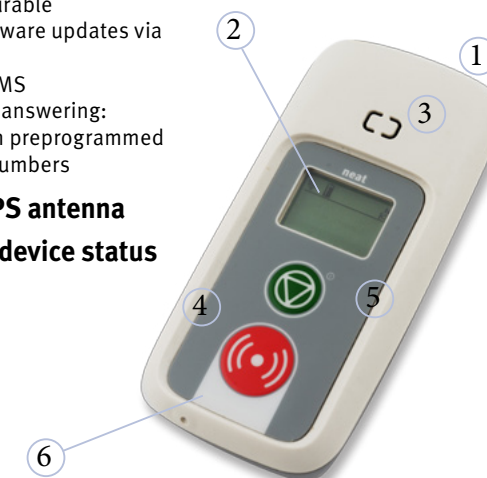
- Display to show the most important status information (Battery, GSM network, GPS, network)
- Operator, error messages, incoming and outgoing calls
- Possibility to use the numerous radio transmitter sensors from the NEAT range
- Up to eight programmable wireless devices
- Adjustable for each alarm type radio component
- Time window for each radio transmitter component programmable (alarm type active from/to particular times)
- Eight alarm-type dependent sequences programmable
- Text on display can be configurable
- Simple programming and firmware updates via PC
- Remotely programmable by SMS
- Programmable modes for call answering: Manual, automatic (all or certain preprogrammed numbers), blocking of specific numbers

Security

- Alarm when connected to the charging station
- Alarm when disconnecting from charging station
- Battery status messages
- Periodic test alarm
- Passive Alarm
- Alarm for radio transmission failure/radio transmission restored
- Track tracing with programmable time intervals
- Calls to up to eight different numbers possible, with programmable redialing



1. Integrated GSM and GPS antenna
2. Display to indicate the device status
3. Speaker for hands-free
4. Speed dial key
5. Emergency button
6. Microphone
7. USB Charger



TMC HEALTH MONITOR



Telehealth monitoring station

Ability to take measurements
View measurements details and trends, eg ECG trace
Ability to enter measurements manually
Questionnaires, scheduling and reminders
Medication, Health Diary
Messaging
Automatically or manually send all data to server

Central Server

Data Synchronisation with workstations
Automatic Software Updates
Remote support facility
Decision Support Software
Web Access to Care Teams, support teams, administrators
Third party integration via HL7

Care Team Workstation

Client List and health status via decision
Client Alerts for outstanding measurements and medications
Support risk stratification
Client health record, including trend graphs, details of each measurement, eg ECG
Multi Graph views and reports, Questionnaires answered
Medication administration records
Client Messaging
Client Maintenance Functionality
Add new clients and requirement measurements
Add required questionnaires for clients
Add schedules for these measurements and clients
Update client details, including language setting
Set up care team members
Set up care organizations

BLOOD PRESSURE



Patient range: Adult
Measurement method: 3-4 mmHg/sec
Oscillometric & auscultatory linear pressure release
Displayed items: Systolic, Mean, Diastolic, Heart Rate
Recording mode: Sampling rate 500 samples/sec
Data recorded: Pressure, auscultatory signal, oscillometric signal
Pressure detection: Semiconductor sensor
Korotkoff sounds: Stethoscope head and amplifier
Pressure display range: 10-300mmHg
Measurement range: Systolic 60-250mmHg, Diastolic 40-200mmHg, Mean 45-235 mmHg, Pulse rate 40-200 bpm
Pressure display accuracy: Less than ± 3 mmHg
Pulse rate accuracy: $\pm 3\%$ or ± 2 bpm

SPIROMETER



ATS compliance: the current standard is the ATS-ERS 2005 Update. TMC spirometer meets American Thoracic Society (ATS) recommendation for accuracy and precision in measuring FVC, FEV1, FEF25-75% and peak expiratory flows under ambient and BTPS conditions
Measured parameters:
FEF50%, FEF75%, FEF25-75%, FET, MVV, FVC, FEV1, FEV1/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%,
Temperature sensor: Semiconductor (0-45°C)
Flow/volume transducer: Bi-directional pneumotachometer flow head
Flow range: ± 15 Ls
Volume accuracy: $\pm 3\%$ or 50 mL
Flow accuracy: $\pm 5\%$ or 200 mL
Dynamic resistance: < 0.5 cmH₂O/L/s
Mouthpieces: 30 mm external diameter

THERMOMETER



Model no.: TD-1261C
Dimension: 162.2*38*32.4mm
Weight: 102.46 g
Precision: 0.1 °C/0.1°F
Accuracy: to 39.0°C (96.8 to 102.2°F) $\pm 0.3^\circ\text{C}$ ($\pm 0.5^\circ\text{F}$) $\pm 0.2^\circ\text{C}$ ($\pm 0.4^\circ\text{F}$) range of 36.0°C
Battery life: 3000 times at least
Power source: Two 1.5 AAA alkaline battery
Memory: 20 measurements
Power saving: 30 sec
External output: Bluetooth or external USB cable

ECG



The single lead ECG is designed to the safety and performance standards:
IEC 60601-1 and IEC60601-2-27
Single Channel: Lead 1
Input Voltage: ± 5 mV
DC Offset: Up to 300mV
Frequency Range: 0.05-40Hz
Sampling Frequency: 500Hz
Optional digital filtering (linear phase): High Pass Filter: 0.5Hz (-3dB), Low Pass Filter: 33 Hz (-3dB),
Optional lead ECG module, Frequency Response: 0.05-150Hz, Sampling Rate: 500 Hz, Integrated defibrillation protection
10 lead patient cable with banana electrode adapters
Selectable filters: As above + 50/60 Hz notch

PULS OXYMETER



Display: Oxygen saturation, Pulse rate
SpO2: 0%-100%
Pulse Rate: 20-250 bpm
Accuracy: (%SpO2 ± 1 SD)
Adults: 70%-100% ± 2 digits, 0%-69% Unspecified
Pulse Rate Accuracy: 50-250 bpm ± 3 bpm

WEIGHT SCALE



Model no.: UC-321
Maximum capacity: 150 kg
Minimum display: 50 g
Sensor: Load cell
Display: LCD, character height 25 mm
Dimension: 320x314x35 (WxDxH)
Weight: Approx 2.7 kg
Operating temp.: +10-35°C RH 30%-85%
Storage temp.: -10-+50°C RH 30%-95%
Battery life: Approx 2,000 measurements
BMI calculation: Yes
Target weight setting: Yes
Power source: 4 Type AA R6P
Memory: 31 measurements Auto power off: Yes
External output: EIA RS-232C

TMC PORTABLE HEALTH MONITOR



Telehealth portable monitoring station

Ability to take measurements
View measurements details and trends
Ability to enter measurements manually
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Client List and health status via decision
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Support risk stratification
Client health record, including trend graphs, details of each measurement, eg ECG
Multi Graph views and reports, Questionnaires answered
Medication administration records
Client Messaging
Client Maintenance Functionality
Add new clients and requirement measurements
Add required questionnaires for clients
Add schedules for these measurements and clients
Update client details, including language setting
Set up care team members
Set up care organizations

PULSE OXYMETER



Model no.:TD-8201B
Display: Oxygen saturation:3 digits, Pulse rate:3 digits
SpO2 Accuracy: 70%-100% range ± 2 digits, $< 69\%$ Unspecified
Pulse Rate: 30-250 bpm
Pulse Rate Accuracy: ± 1 bpm or $\pm 1\%$, whichever is greater
Status indicate: Probe Good, Battery Status
External Output: Bluetooth

PULSE OXYMETER



Model no.: Nonin Onyx II 9560
Patient range: Adult and pediatric
Oxygen saturation display range : 0% to 100% SpO2
SpO2 Accuracy: 70%-100% range ± 2 digits, $< 69\%$ Unspecified
Pulse Rate Display Range: 18 to 321 bpm
Pulse Rate Accuracy: 20 to 250 bpm ± 3 digits
External Output: Bluetooth

WEIGHT SCALE



Model no.: TD-2551B
Body Mass Index: Yes
Weight measuring range:100 g- 180 kg
Height Range: 100 to 250 cm
Communication: Bluetooth
Dimension: 338x338x35.7 (WxDxH)
Weight: Approx 2.3 kg

BLOOD PRESSURE & BLOOD GLUCOSE



Model no.: TD-2551B
Model no.:TD-3250C
Memory: 352 measurement results with date and time
Blood glucose range:20-600 mg/dL (1.1-33.3 mmol/L)
Accuracy: ± 15 mg/dL when glucose ≤ 75 mg/dL; $\pm 20\%$ when glucose ≥ 75 mg/dL;
Pressure range: Systolic 50-250mmHg, Diastolic 30-180mmHg
Pulse rate 40-199 bpm
Pressure display accuracy: ± 3 mmHg or $\pm 2\%$ of reading
Heart rate accuracy: $\pm 4\%$ of reading

BLOOD GLUCOSE



Model no.:TD-4279B
Enzyme Type: GDH-FAD
Blood glucose range:10-600 mg/dL (0.5-33.3 mmol/L)
Hematocrit range:0-70%
Accuracy: ± 15 mg/dL when glucose ≤ 100 mg/dL; $\pm 15\%$ when glucose ≥ 100 mg/dL;
Memory capacity: 1000 sets

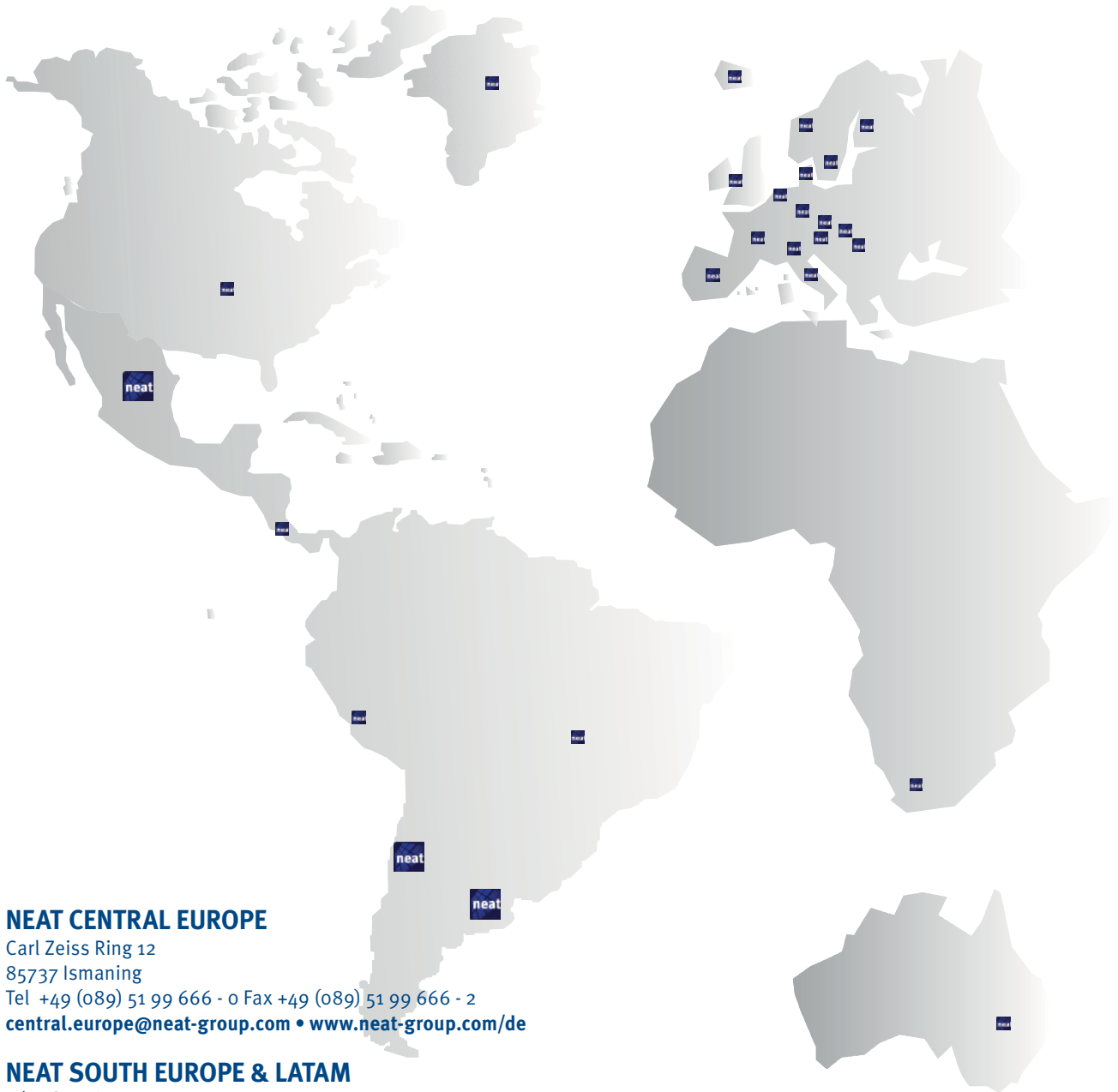
THERMOMETER



Model no.: TD-1261C
Dimension: 162.2*38*32.4mm
Weight: 102.46 g
Precision: 0.1 °C/0.1°F
Accuracy: to 39.0°C (96.8 to 102.2°F) $\pm 0.3^\circ\text{C}$ ($\pm 0.5^\circ\text{F}$) $\pm 0.2^\circ\text{C}$ ($\pm 0.4^\circ\text{F}$) range of 36.0°C
Battery life: 3000 times at least
Power source: Two 1.5 AAA alkaline battery
Memory: 20 measurements
Power saving: 30 sec
External output: Bluetooth or external USB cable

Neat is there for you

Tailormade social and telehealth care solutions and the latest technology are the key benefits of Neat technology. Automatic monitoring functions ensure that each product is available 24 hours a day for you. The components are very accessible, with customized configuration, easy to install and immediately ready for use (plug and play). In addition, Neat offers the right equipment for every situation. The result is a complete system that is ready to use and works smoothly.



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