

# GNB PRO 2.0 BATTERY MONITORING SYSTEM / MOTIVE POWER

**NEW!**



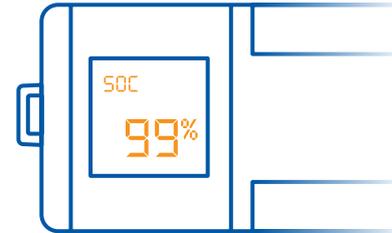
# GNB PRO 2.0

## MONITOR YOUR SAVINGS

### Maximum Efficiency at Minimum Costs

GNB Pro 2.0 maximizes the efficiency of your intralogistics flows. The uptime of both machines and batteries are significantly increased through continuous and reliable monitoring of relevant parameters followed by their subsequent optimization. Moreover, your initial investment in batteries is protected against common operator errors such as low electrolyte level and deep discharge that are often overseen in today's busy warehouses.

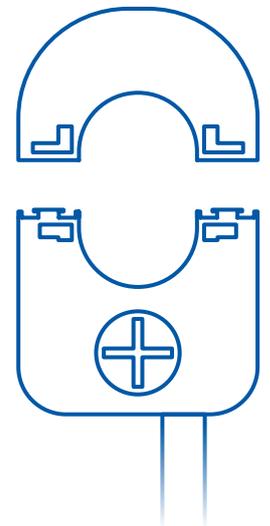
The easy-to-understand LED color display summarizes necessary information at a glance in a traffic light system. Users of all experience levels are guided in an intuitive, icon based manner through an LCD display towards maximizing battery life time and thus keep your business running.



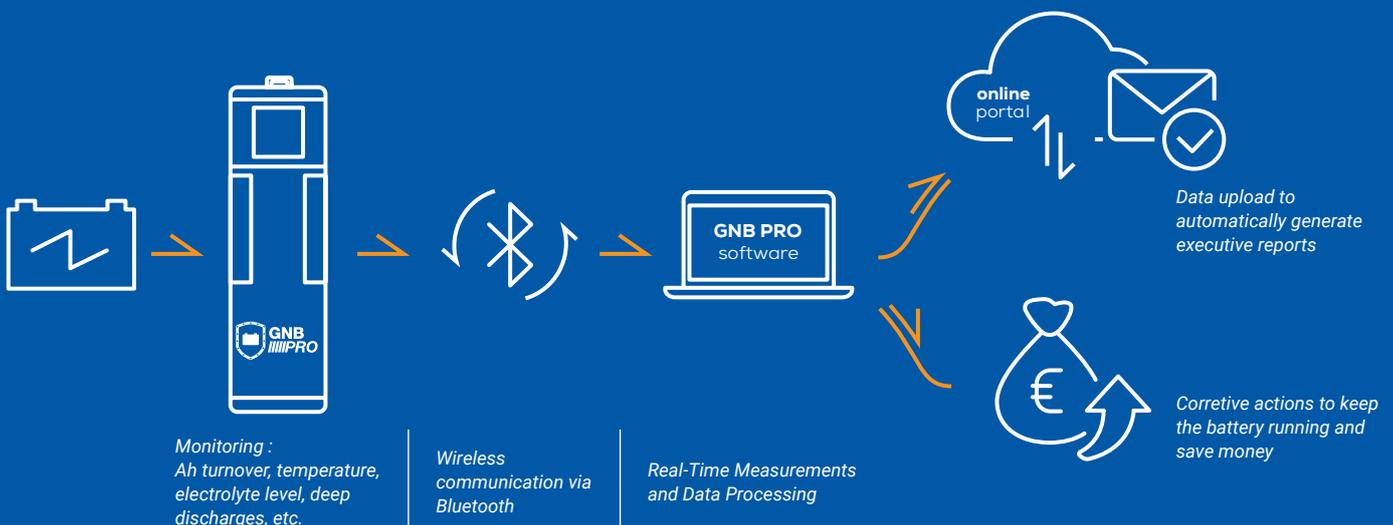
### Secure Profit with Easy 1-Click-Installation

Your profit is just one click away. Quick payback and elevated machine run time are achieved straightforward by wrapping the flexible measuring probe around a cell connector.

The multifunctional 3-in-1 sensor immediately starts monitoring electrolyte level, temperature and battery voltage symmetry and provides data necessary to optimize your fleet. Most certainly safety at all times is ensured via a unique double protected design with integrated fuses even exceeding current regulations. GNB Pro 2.0 is the fastest way to improve battery life time and benefit from better total cost of ownership.



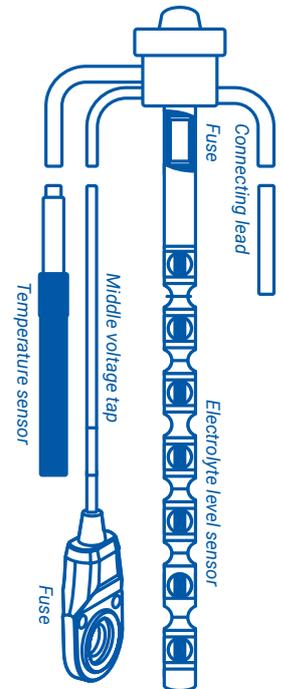
## HOW IT WORKS



## Enhance Battery Life Time and Fleet Uptime

Get most out of your fleet by constantly monitoring and optimizing. Moreover, having precise knowledge about e.g. cycle life time gives rise to in depth understanding of battery rental and warranty management. Simply pay or charge for the power that has been really used and avoid all discussions concerning the battery's state of health – with GNB Pro 2.0 you know what condition your battery is in!

- **Protect your investment: Middle voltage tap is detecting imbalances**
- **Safe operation: temperature, electrolyte level and deep discharge recording**
- **Enhanced rental and warranty features: detailed cycle information, average discharged Ampere hours (Ah), average operating time, state of charge, battery voltage**

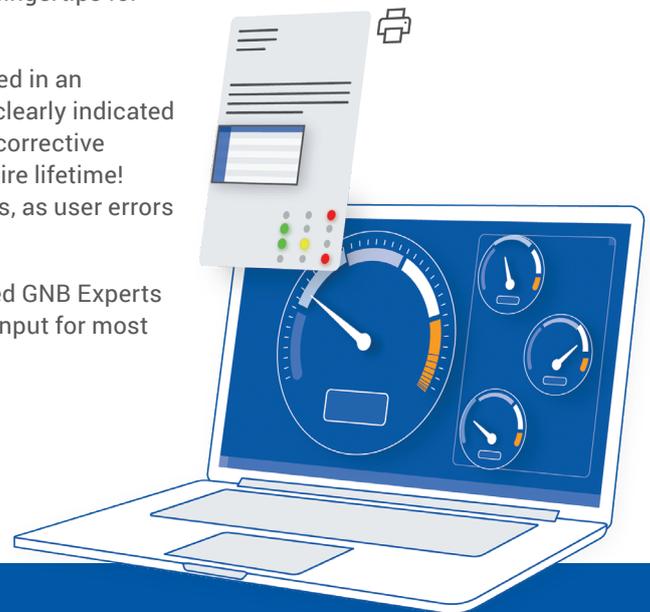


## Optimizing Potential at your hands

The user-friendly software provides real time data and status of the “heart of your vehicle”. Full overview, diagnostics and optimizing potential at your fingertips for more operating hours.

All measured parameters are conveniently summarized and presented in an automatically generated executive report. Avoidable influences are clearly indicated by a traffic light system to enable fast root cause identification and corrective actions to save money. Keep track of your battery throughout its entire lifetime! Access to logbook data may e.g. reject claims for rental park owners, as user errors are traced and future usage is optimized..

Are you wondering if your battery can do even more? Our experienced GNB Experts will be happy to assist you at any point in time regarding additional input for most beneficial settings and data evaluation.



## Features



Current measurement



Voltage measurement



Real-time clock



Temperature probe



Electrolyte level-sensor



Wireless data read-out



Easy installation clamp



Multifunction Sensor



LCD and LED Display

## Technical Data

Voltage range	18–120 V
Current draw	max. 60 mA at 18 V DC
Current measurement range	± 3.5 – 1000 A
Operating temperature range	-10 to 60 °C
Permitted storage temp.	-20°C to 60 °C
Relative humidity	< 90%
Casing	IP 65 according to EN 60529 PC-GF10 plastic casing, resistant to diluted sulphuric acid with an acid density of up to 1.4 kg/l
Dimensions (L x H x W)	144 x 44 x20 mm 45 x 47 x 22 mm (Hole diameter = 20.8 mm)
Weight	400 g
Standards	2014/35 EU – Low voltage directive 2014/30 EU – Electromagnetic compatibility Shock and vibration tested according to IEC 68-2-29 and IEC 68-2-6

**Exide Technologies**, with operations in more than 80 countries and more than 120 years of experience, is one of the world's largest producers and recyclers of lead-acid batteries. The company develops state-of-the-art energy storage solutions for the automotive and industrial market. Leading car, truck and lift truck manufacturers trust in Exide Technologies as an original equipment supplier. Exide also serves the aftermarket through a portfolio of successful and well-known brands.

Exide Transportation manufactures batteries for light and commercial vehicles, as well as agricultural and marine leisure applications. Industrial markets – under the division **GNB Industrial Power** – include efficient energy storage solutions for motive power applications such as lift trucks, cleaning machines and other commercial electrical vehicles, and network power applications such as telecommunications systems, renewables, and uninterruptible power supply (UPS).

Exide's engineers have always been at the forefront of bringing important innovations to the industry. Exide's ISO/TS-certified manufacturing facilities ensure that customers receive products that are produced with maximum efficiency and fulfill the highest quality standards, while minimizing impact on the environment.

Exide's extensive sales and distribution network provides quality service and delivers on time to its customers. Its world-class recycling facilities ensure that batteries will be reused, helping to make a positive contribution to the environment. Exide also provides services, accessories and energy consulting to its clients.



All production facilities ISO 9001 certified  
 Automotive plants ISO/TS 16949 approved  
 Manufacturing plants ISO 14001 certified

MXBEGT EPPDF00518 Subject to change