

atmos

amium

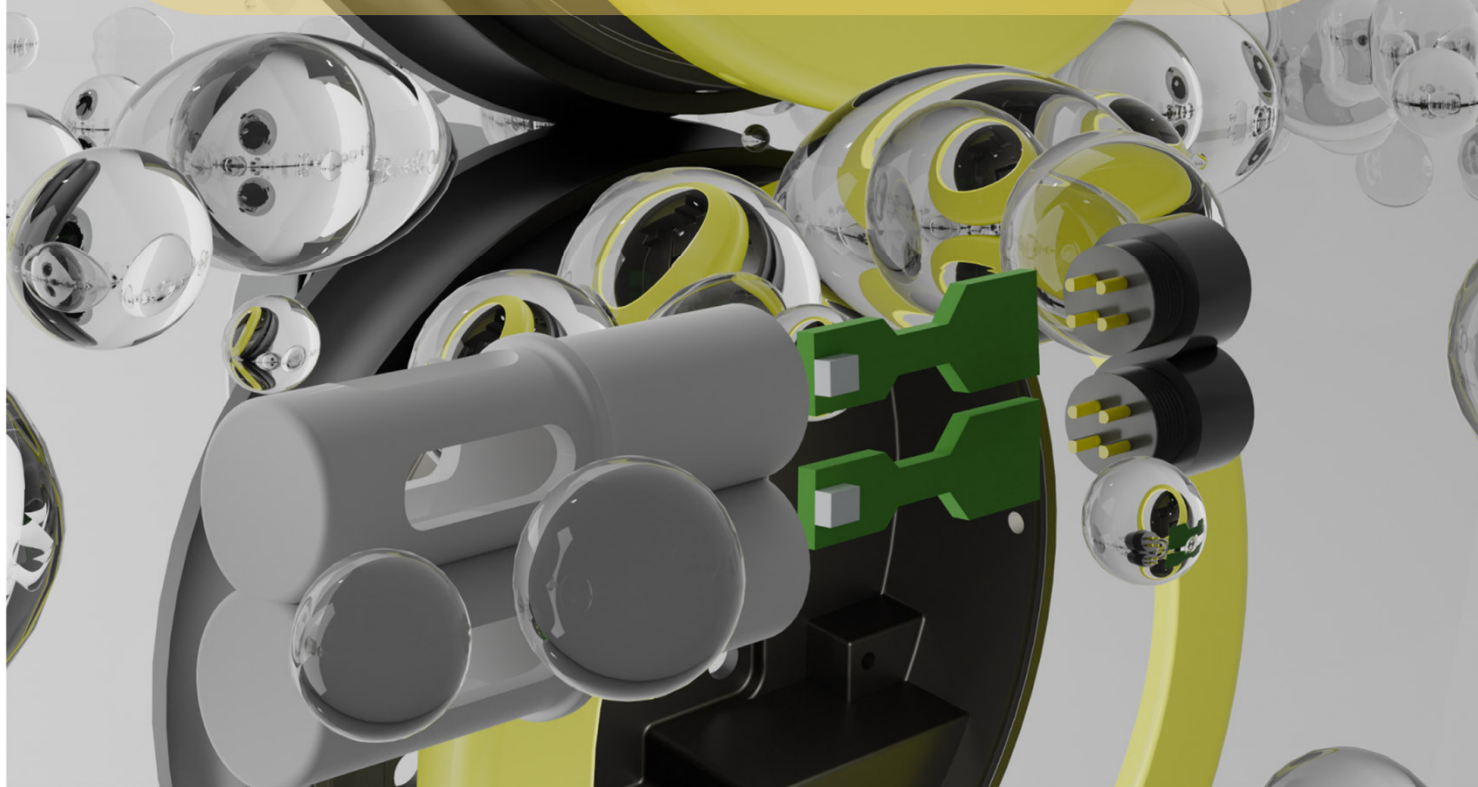
The next level of battery safety

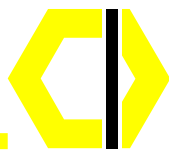
CO

T [°C]

H₂

battery runaway
detection





Type

Amium Atmos for Battery Safety
 for storage and transport of lithium-ion cells and
 electric vehicle
 monitoring of temperature and gases (CO, H₂, VOC)

- A3101 Atmos Terminal Controller
- A3102 Atmos WiFi Controller
- A3103 Atmos Cellular Controller
- A3104 Atmos Control Center

Features

monitoring of temperature and gases
 gas components sensor (air contamination level ACL):
 carbon monoxide CO
 hydrogen H₂
 volatile organic compound VOC
 WLAN / LTE / GPS / Cloud (MQTT)

Benefits

battery powered, run time up to 1 year
 increases security
 with alert (phone call, SMS, E-Mail)
 free adjustable limits
 traceable data logging (SD-card)



A3104
 Atmos Control Center



A3103
 Atmos Cellular
 Controller



A3102
 Atmos WiFi
 Controller



A3101
 Atmos Terminal
 Controller

Description

The next level of lithium battery safety: The **Atmos** System

The **Atmos** System is a revolutionary safety device designed specifically for lithium-ion batteries, the corner-stone of electric vehicles and countless other technologies. This comprehensive system goes beyond simple monitoring, offering a holistic approach to battery safety during storage, transport and operation.

Features

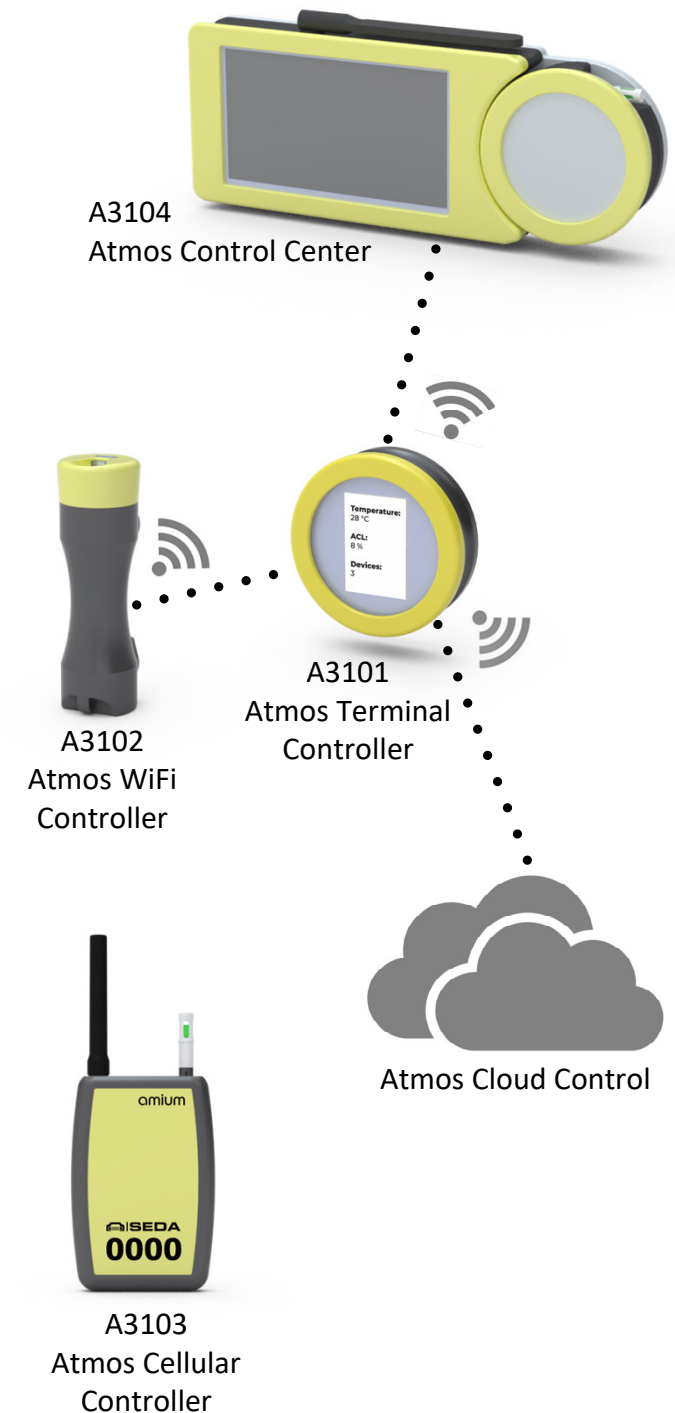
- tasks: **measure, monitor, record, evaluate**
- increases **security** at storage and transport of lithium-ion cells and electric vehicle
- integrated **display**, user control
- automation:
 - independent, standalone usage (A3101)
 - and / or remote controlled (A3102)
- any number of A3102 could be connected to one or more A3101
- **redundancy**: several A3101 could receive data from the same A3102
- modular expansion and combination with other e-mobility test systems
- **WLAN**: display of actual values with web terminal
- **GPS** for tracking
- **LTE**: mobile data transfer worldwide, connect to the world
- intelligent **data logging** (SD-card)
- **alert** transmission (phone call, SMS, E-Mail)
- free adjustable alert limits
- integrated **battery**

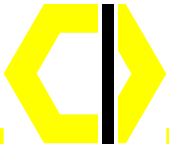
Technical data

- compact housing
- standalone
- wireless connected, battery powered
- run time up to 1 year
- multi-gas sensor for monitoring of carbon monoxide CO
hydrogen H₂
volatile organic compound VOC
(air contamination level ACL)
- climate data sensor: 2x temperature
- integrated service display, e-paper
- visual and acoustic alert
- power supply Docking Station:
115 / 230 VAC

Interfaces / communication

- WLAN
- TCP/IP
- CAN / dbc
- Labview
- MQTT
- LTE / 4G / GPS





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