

GME-800

Digital data acquisition and logging system

Geomil
equipment

*World's first manufacturer
of CPT equipment*



The GME-800 is Geomil Equipment's next-generation data acquisition and logging system, serving as the central hub of the Geotechnical Sensor Network (GSN-2). It combines data acquisition, processing, storage and software in one intelligent unit, with all measurement data stored directly on the device.

The integrated CPTest-6 software provides a modern, intuitive interface that puts the operator in full control. Screen layouts can be tailored for specific tests and operator requirements.

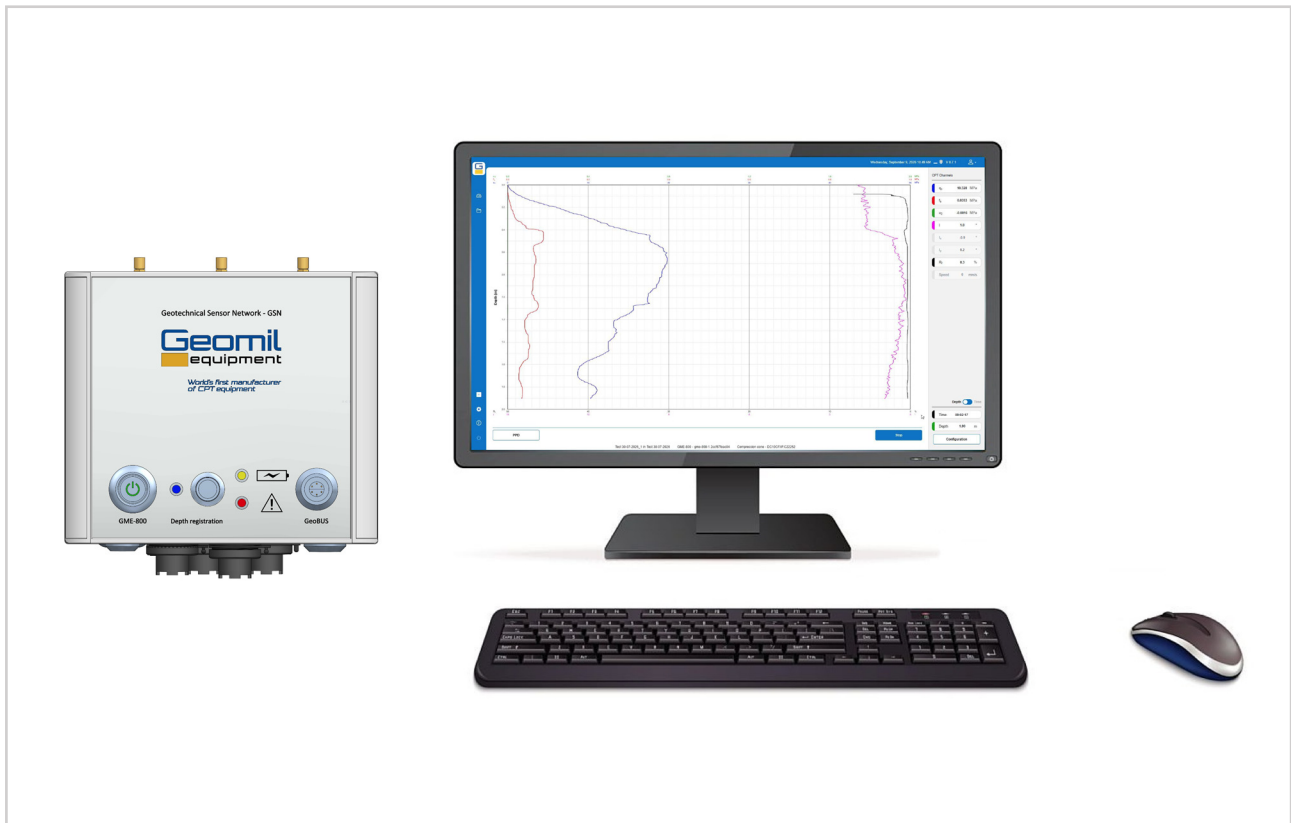
Designed from the outset as a multi-sensor platform rather than solely for Cone Penetration Testing (CPT), the GME-800 can communicate with multiple digital sensors, allowing new sensors to be integrated without fundamentally changing the system architecture. The first example is the Magcone-250, combining CPT with high-resolution magnetic measurements.

Centralized storage also aids troubleshooting by allowing historical measurements and machine data to be reviewed, while logging of operating data supports diagnostics, maintenance, and utilization optimization.



Data can be accessed from virtually any computer, tablet, or terminal connected via Wi-Fi or Ethernet, eliminating the need for separate CPTest installations.

Together, the GME-800 and CPTest-6 deliver the infrastructure required for modern CPT: designed to fully comply with ISO 22476-1:2022 requirements, combining powerful processing, data management, and intuitive operation in one integrated platform.



Main characteristics of the GME-800

Processor	Quad-Core 64-bit
Memory RAM / flash (GB)	8 / 16
Storage type	SSD
Storage capacity (TB)	1
Data protocol	GeoBUS-1 / GeoBUS-2
Network	GSN-2
Transfer speed (Mb/s)	3
Integrated software	CPTTest-6
Interface	Ethernet Wi-Fi 4G
I/O	GeoBUS (3x) USB-A (2x) HDMI GPS
Max number devices	256
Power supply (Vdc)	10 ... 30
Battery capacity (h)	8
Compliance	ISO 22476-1:2022
Supports	Magnetometer testing, SCPT, cyclic testing, FVT * * in development

A typical GME-800 system (for CPT) incorporates:

- Data acquisition system GME-800 / GSN-2
- Acquisition software CPTTest-6
- PC or tablet
- Depth registration system
- Cone
- GSN cables

Supporting items:

- Pushing system
- Pushing tubes
- Processing software CPTask, or third-party

Geomil Equipment offers a comprehensive range of high-quality CPT cones and accessories, designed for accurate site investigations, both onshore and offshore.

All digital cones feature integrated AD conversion and onboard memory. Standard cones measure cone resistance (q_c), sleeve friction (f_s), pore pressure (u), inclination, and optionally temperature.

For soft or sensitive soils Geomil provides special ultra-sensitive cones equipped with low-capacity load cells. Other products include seismic modules for SCPT, field vane testers, soil samplers and full flow penetrometers.

Learn more about Geomil at www.geomil.com.



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