



HANUMAN data acquisition system



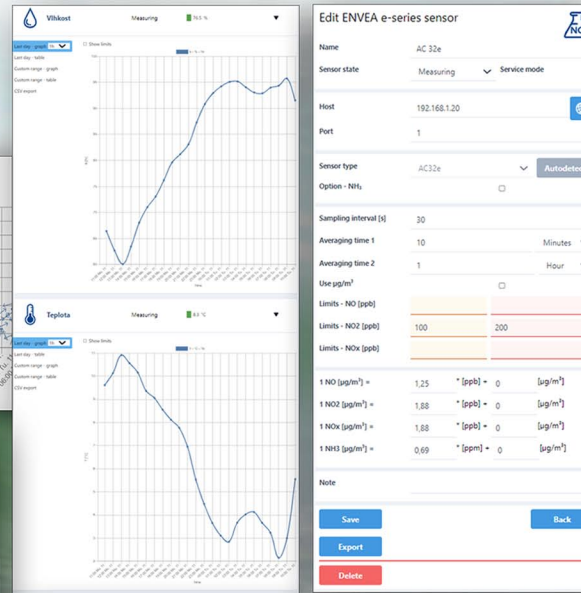
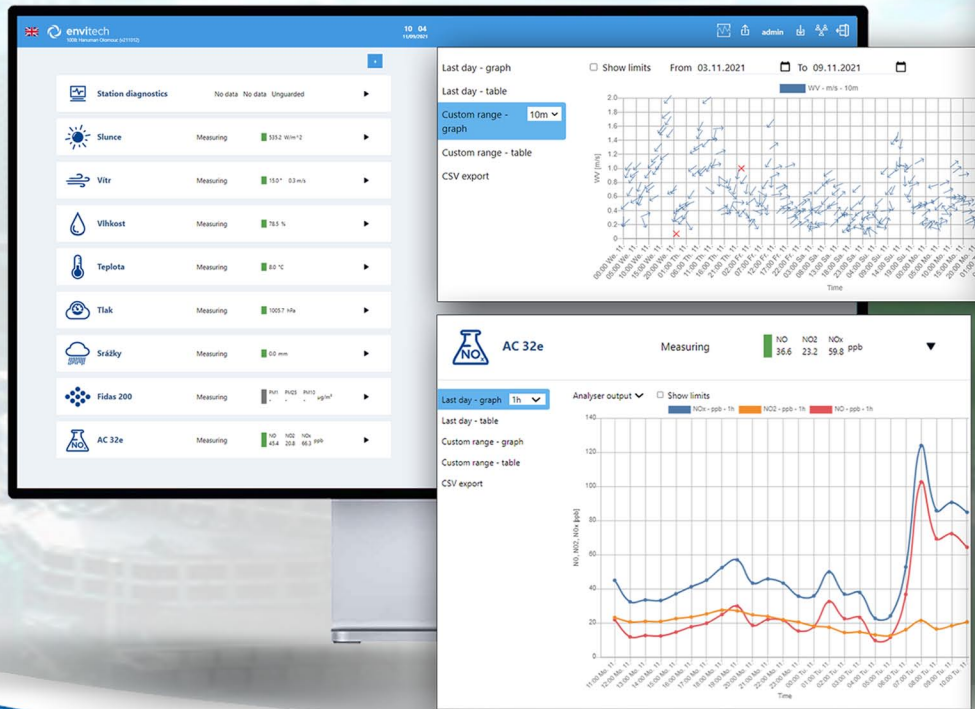
With increasing data volume and the data centralization, autonomous data collection and acquisition have a huge impact on a quality of data processed.

Hanuman is our new compact data acquisition system (DAS) based on the latest technology available that fulfils the highest level requirements for data logging modern architectures.

System is available in two versions to fulfil specific needs of common environmental monitoring applications – DAS unit / Datalogger unit. DAS unit is developed to be used as complex Air Quality Monitoring Station control and data acquisition system, and Datalogger unit is adjusted to be used as basic data logging system in meteorological/weather stations, where cost efficient solutions are preferred.

Based on the version of the unit and its configuration required the unit could provide variable sampling period (≥ 1 sec), user selectable averaging function (x minutes/hours/days), control of automatic zero and span checks, data storage (> 1 year) and back-up functions.

AIR QUALITY MONITORING



Hanuman units provide a wide selection of input/output interface same as various standard communication interfaces:

digital inputs (DI) are designed for reading states of two-state devices;
digital outputs (DO) are applicable for switching two-state devices using direct current (DC);

relay outputs (RO) serve for switching devices with higher current draw and devices requiring alternating current (AC);

analogue inputs (AI) are designed to measure voltage, current, or resistance;

analogue outputs (AO) are used to control and regulate connected devices;

RS485 and **RS232** interfaces serve for connection of common instruments used;

the **1-Wire bus** is designed to communicate with 1-Wire sensors;

two **USB 2.0 ports** can be used to connect wireless adapters or external storage;

100 Mbit Ethernet port for network communication is also provided; unit also could feature an LTE mobile connection for internet connection.



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