



# EDAG Functional Test Unit

## Freely configurable diagnosis/test unit for H2 tank systems

The Functional Test Unit (FTU) can diagnose, test and operate a large number of H2 tank systems.

An individual configuration of the system and the automated execution of routines are part of the technical scope.

- Basis for the EDAG plant technology regarding H2 tank systems
- Emptying and test routines for H2 tank systems
- Programmable safety monitoring
- Sensor inputs freely scalable
- Logging of the measurement data
- Mobile use possible

## Technical information:

Supply voltage: 12V / 24V

I/O:

- 12x pressure sensor, 0-10V or 0-20mA
- 12x resistance temperature detectors (RTDs), 50 $\Omega$  - 300k $\Omega$
- 2x mass flow sensors, 0-10V or 0-20mA
- 2x control valves, 0-20mA
- 12x magnetic valves

Interfaces:

- Ethernet (for PC / notebook)
- USB for storing sensor & actuator data (CSV format)

## Concrete use cases:

- H2 tank system at the EDAG site in Bremen
- H2 tank system at supplier site
- Control of the mobile EDAG H2 filling station (in realization)

