

## Datalog 300.139



## Technical data

Universal Inputs	3 x analogue or digital. Modes: – 0..20mA/ 4..20mA – 0..2V/ 0..10V – PWM – Frequency – Digital / digital LP – Day/ Interval Counter
Outputs	1 x relay 1 x analogue output (not galvanically isolated)
Modbus	1 x RS485 (master/slave) Modes: RTU or ASCII 64 input, 64 output channel <sup>1</sup>
Serial Interface	1 x RS232 for connecting a digital sensor <sup>1</sup>
Data memory	6190 measurements cycles
Data Transmission	GSM/GPRS quad band
SIM	Integrated SIM chip
Voltage supply	V <sub>in</sub> : 12...30VDC (+/- 10%)
Power consumption	typ. 1W, max. 3W
Operating temperature	-20...+60 Celcius, 90%rH
Display	LEDs indicating operating states
Data type	F32 (32 Bit floating point)
Dimensions (WHD)	104 x 85 x 32 mm
Protection class	IP20
Weight (w/o accu)	150g
Antenna connector	SMA

<sup>1</sup>The Modbus interface and the serial interface share the 64 inputs and 64 outputs channels

## Application

The 300.139 is the perfect multi-functional tool for measurement and control task. The universal inputs record data from sensors and transmitters. The RS-232 and RS-485 interfaces enable communication with adjacent machines or control units. Outputs in mA and relay are available to control the actuators. The device can also be programmed with a local program sequence for complex calculation and control task.

## Applications areas:

- System control
- Pump control
- Flow rate calculation
- Direct signal recording from sensors and further processing on the device
- Control of actuators
- Communication with machines interfaces via RS-485 and RS-232 connections

## Product characteristics

- Universal inputs for digital and analogue signals
- mA and relays outputs
- Programmable for calculation and control task
- Adjustable measurement and transmission cycle
- Alarm and trigger functions
- Measured data storage on the device
- Wireless data transmission to the web server
- Configuration of the device via web portal



Scope of supply	Order number
300.139	---
Tool Pen	206.646
Antenna 900 SMA angled	300.026
MDN Magnet	206.803
Quick Guide	300.400