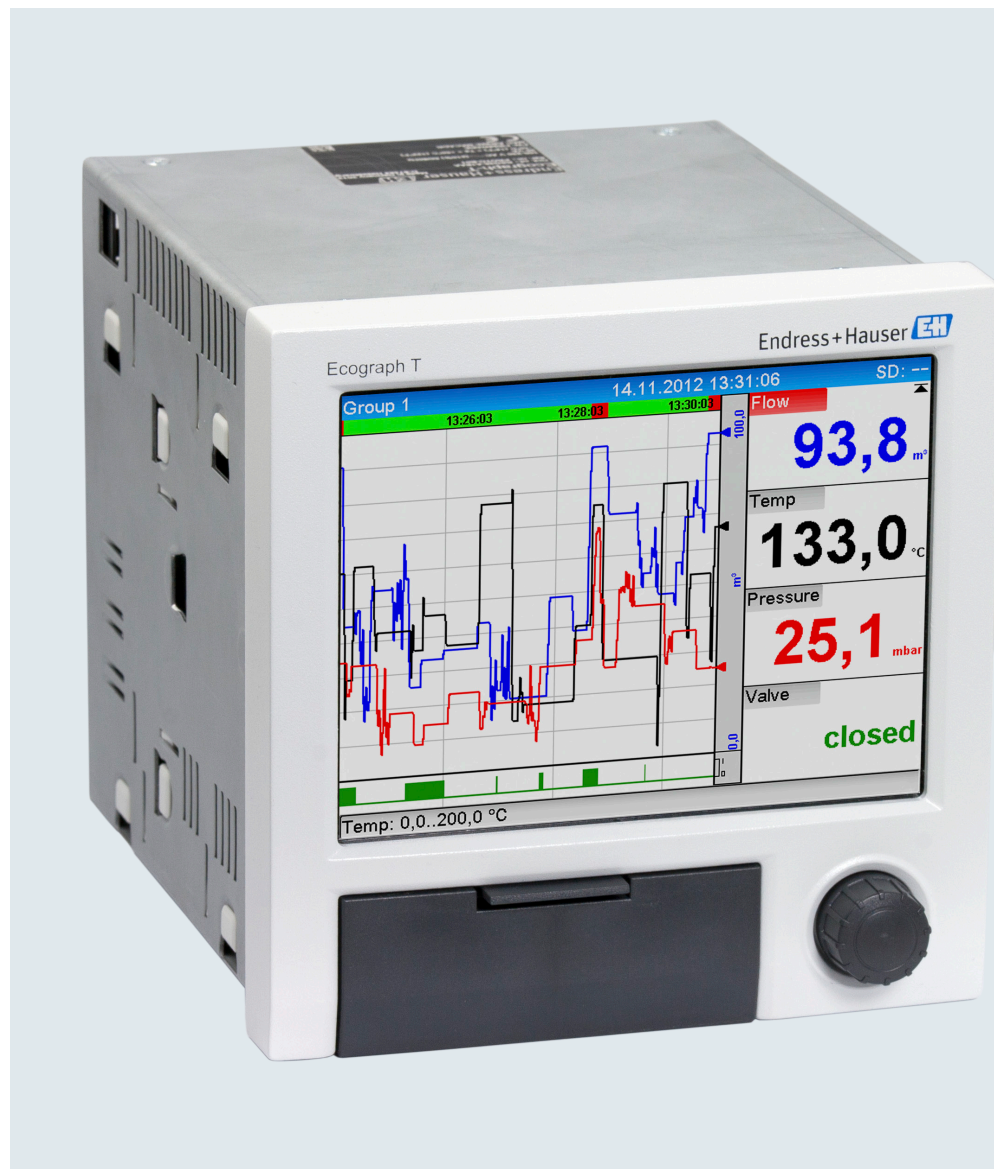# Ecograph T RSG35
Universal Data Manager
Record, visualize and monitor

- Versatile:
  Modular construction with up to 12 universal inputs
- System capable:
  Common interfaces such as Ethernet and USB
- Communicative:
  Modbus TCP/RTU slave
- Informative:
  E-mail notification with limit value infringements and alarms
- Simple:
  Intuitive operation and integrated web server for quick commissioning
- Secure:
  Archives data in an internal memory and additionally on a SD card
- Complete:
  Free Field Data Manager (FDM) Essential software version for manipulation-safe data storage and visualization

Endress+Hauser

People for Process Automation

Safe and complete recording and visualization of all process sequences
Demands on process monitoring and data recording are becoming more and more complex. Because every measurement value counts, the new Endress+Hauser universal data manager records, visualizes and monitors all analog or digital input signals.

Applications can be found in many business areas and industrial branches:
- Quality and quantity supervision in the water-/ waste water industry.
- Supervision of processes in power stations.
- Display and register of critical parameters in production processes.
- Tank and level monitoring.
- Temperature supervision in metal processing
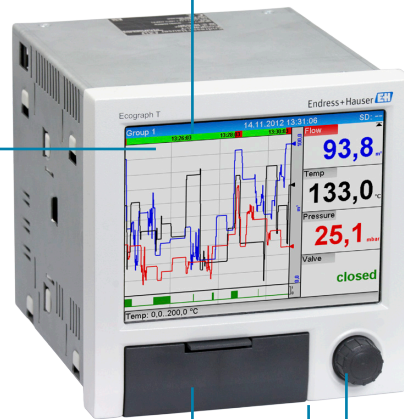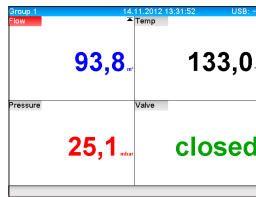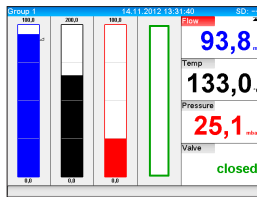
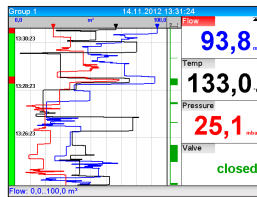# Simple operation – clear presentation

Clear display
- Brilliant **5.7" TFT-Display**
- Measured value display in up to **4 groups**
- Up to **8 channels** per group

Versatile application
- Up to **12 universal inputs**
- **6 digital inputs**
- **6 relays**
- Up to **30 limit values**

Flexible display possibilities
The display makes it possible to indicate **curves, waterfall, bargraph or digital values** dependent on the requirement.

Intuitive operation on-site
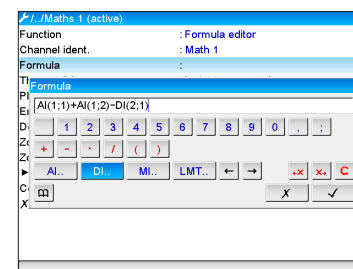Easy and comfortable front end operation using the **Navigator (rotation/push button)**
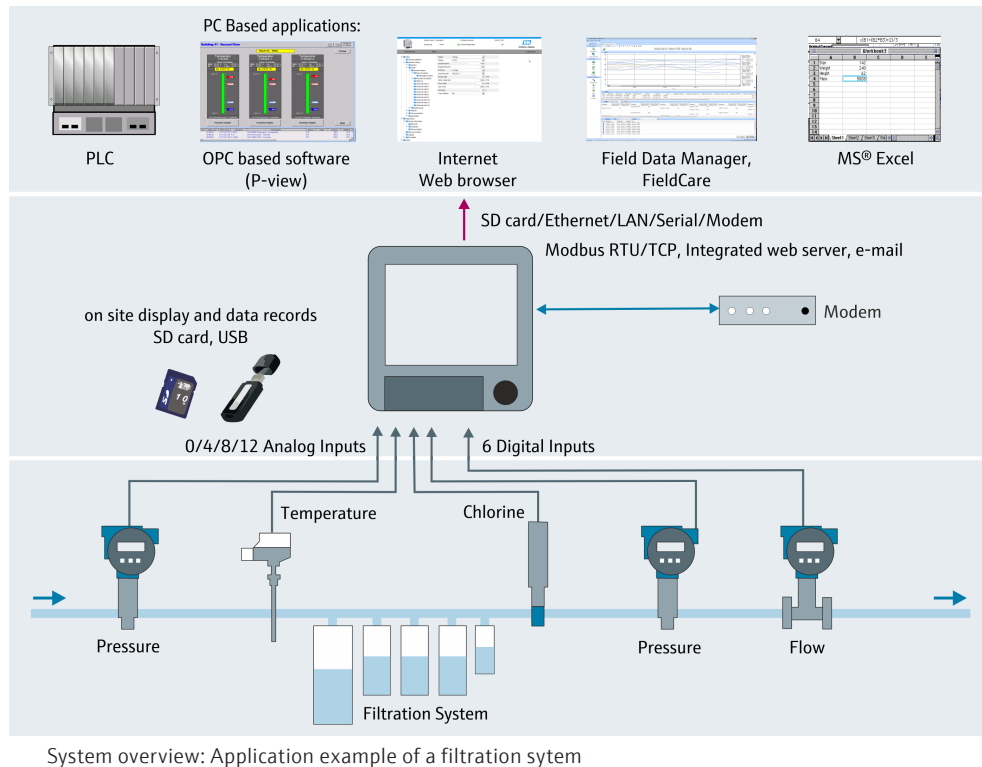
Intelligent
4 virtual mathematic channels for individual calculations using a formular editor

Simple and secure data storage
- **128 MB** internal memory
- Additional data storage on a **SD-card or USB-stick**
- **Field Data Manager (FDM) Software** for manipulation free data read out, storage and analysis

Modern communication – Superb system connection

System overview: Application example of a filtration sytem

Due to its variety of modern communication possibilities the RSG35 Ecograph T enables simple system connection:

- Ethernet TCP/IP as default interface, RS485/232 optional
- Modbus RTU/TCP slave optional
- E-mail notification on limit infringements, digital channel low/high reports and error messages

Your advantages:

- Simple data supervision, storage and communication
- Easy and quick system connection using modern interfaces and Modbus communication
- A better process overview thanks to e-mail notification

New web server – worldwide access

The completely reworked web server integrated in the RSG35 Ecograph T enables access to current and historical process data via conventional standard web browsers when and where you want it. The web server is also ideally usable for remote access timesaving parameter set-up.

Your advantages:

- Display of current and historical data and measurement curves using the web browser
- Simple parameter set-up without additionally installed software
- Remote device and diagnostic information

Complete package with free analysis and visualization software

The free of charge Essential version of the Field Data Manager (FDM) software is included in the RSG35 Ecograph T delivery package. This can then be used for the read out, storage and graphic presentation of the recorded data. Based on a SQL database data can read out, manipulation protected, from the device either from the internal device memory or a SD card using the various interfaces available, stored and internally managed.

Different visualization possibilities make the stored data transparent. The user is automatically led through the software by individual operation steps which guarantee an intuitive operation as well as a simple and fast report generation.
Furthermore an upgrade to the professional software version is possible at any time using license packages.

✓ **Your advantages:**

- Manipulation protected data storage (local or in the network)
- Visualization and processing of the measured values
- No additional costs

→ Order number for the Technical Information:
TI01079R

Technical data Ecograph T RSG35

Number of inputs	0/4/8/12 universal analog inputs, 6 digital inputs, 4 virtual mathematic channels (optional)
Inputs and ranges	Universal inputs: Current: 0...20 mA, 0...5 mA, 4...20 mA, -20...20 mA Voltage >1 V: 0...10 V, 0...5 V, ±10 V, ±30 V; Voltage ≤1 V: ±1 V, ±150 mV RTD: Pt100, Pt500, Pt1000, Cu100, Cu50, Pt50; TC: Typ J, K, T, N, L, D, C, B, S, R, A Digital inputs: "0" (-3 to +5 V), "1" (+12 to +30 V), min. pulse width 20 ms, max. frequency 25 Hz, max. input current 2 mA, max. allowable input current 30 V
Scan time	100 ms
Relay outputs	1 x change-over, 5 x normally open contact; max. switch load: AC: 250 V, 3 A; DC: 30 V, 3 A
Number of limits	30
Communication	Modbus RTU/TCP Slave (optional)
Interfaces	1x USB host, 1x USB function, Ethernet, RS232/485 (optional)
Memory/recording	Internal memory: 128 MB; "Industrial Grade" SD-card optionally available with 1 GB
Display	5.7" TFT color display / 640 x 480 pixel resolution
Power supply	100...230 V AC (+/-10%); 24 V (-10%; +15%) AC/DC
Loop power supply	24 V DC, 250 mA
Approvals	CE, CSA, GP, UL
Protection class	IP65/NEMA 4 (Front)
Dimensions	144 x 144 x 158 mm (HxWxD)

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