



Level



Pressure



Flow



Temperature



Liquid Analysis



Registration



Systems Components



Services



Solutions

Paperless recorder
for display, recording and communication

Ecograph T RSG30

E-direct

www.e-direct.us



- Low installation depth saves space and money
- Reliable data archiving with internal memory and separate CompactFlash card (mechanically locked)
- No data loss even in event of power failure
- Accessible worldwide due to optional Web server function for remote monitoring
- Network integration and remote data transmission via Ethernet, RS232/RS485 (modem) and USB

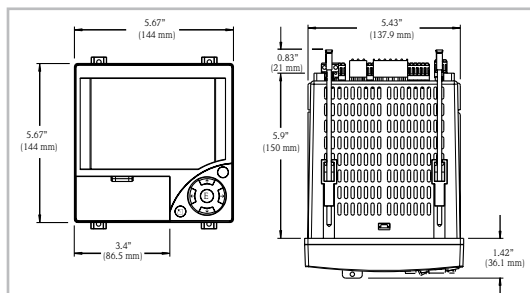
Electrical connection

Recording: 1 s up to 12 h	Data medium: CF-card up to 512 MB
Input: Current, voltage and temperature can be directly connected	Network integration and remote data transmission: Ethernet, RS232/RS485 (modem) and USB
Installation depth: 6.73" (171 mm)	Display: LC color graphic display

Application

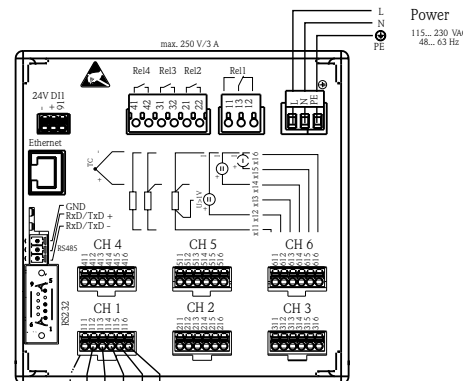
Ranges of application cover many sectors and branches of industry. Ecograph T is used to display and record critical parameters in production processes, e.g. to monitor: quality and quantity in the water and wastewater industries, processes in power stations, food and milk industry processes, tank level, temperature in metal working or cold storage and transport.

Dimensions in inches (mm)

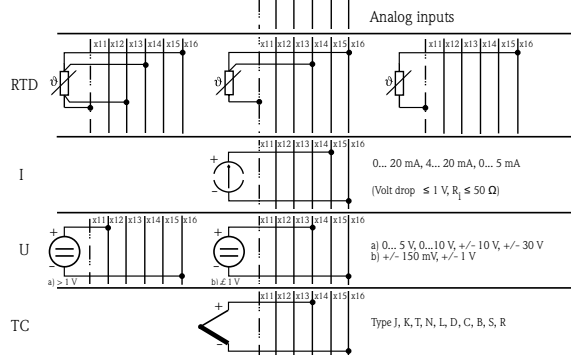


Installation depth approx. 6.73" (171 mm)
Panel cutout 5.43^{+0.04} x 5.43^{+0.04} in. (138⁺¹ x 138⁺¹ mm)
Panel thickness 0.08" to 1.58" (2 to 40 mm)
Mounting as per DIN 43834

Installation according to instruction manual



On connecting channels 4-6 see terminal connections CH1-3



For your PAPER recorder needs, contact Endress+Hauser. We have many models available.

Endress+Hauser

People for Process Automation

Ecograph T RSG30

Technical data

Input values (universal input)

- Measured variable Current: 0 to 5/20 mA, 4 to 20 mA;
Voltage > 1 V: 0 to 5/10 V, ± 10 V, ± 30 V;
Voltage ≤ 1 V: ± 1 V, ± 150 mV;
Resistance thermometer (RTD): Pt100,
Pt500, Pt1000, Cu100, Cu50, Pt50;
Thermocouples: Type J,K,T,N,L,D,C,B,S,R
- Measured error ± 0.1% of measuring range
- Scan rate all channels within 100 ms
- Resolution for all ranges: ≥ 18 Bit

Input values (digital input)

- Input frequency max. 25 Hz
- Pulse length min. 20 ms
- Input current max. 2 mA
- Input voltage max. 32 V
- Selectable functions Control input, ON/OFF message, pulse counter, operating time, message and operating time. Functions of the control input: start recording, background illumination OFF, external interim analysis, external memory cycle, operating lock, time synchronization.

Output values (auxiliary voltage output)

- Output voltage approx. 24 V, max. 32 V
- Output current min. 250 mA, short-circuit proof

Output values (relay output)

- Alarm relay 1 alarm relay with changeover contact
- Standard relay 3 relays with NO contact for limit value messages (can be configured as NC contact)
- AC contact load max. 230 V/3 A

Power supply

- Supply voltage 115 to 230 VAC (50/60 Hz)

- Power consumption max. 20 VA
- Connection data USB port (std); Ethernet interface (option);
interface/communication Serial RS232/RS485 interface (option)

Operating conditions

- Ambient temperature 32 to 122°F (0 to 50°C)
- Storage temperature -4 to +140°F (-20 to +60°C)
- Climate class As per IEC 60654-1: B1
- Degree of protection Front-panel IP 54, rear-panel IP 20
- EMC Interference immunity as per IEC 61326 (industry) and NAMUR-recommendation NE 21; Emission to IEC 61326: Class A (operation in industrial environment)

Mechanical construction

- Weight Panel-mounted instrument app. 1.54 lbs
- Materials Front frame/removable media door: plastic (ABS); Housing: fiberglass reinforced plastic (PC); Protective cover in front of display: plastic (PC)

Human interface

- Display LC color graphic display (4.7"/120 mm)
- Operation 7-button front keypad or via PC ReadWin® 2000 software with USB cable (included)
- Saving data Selectable memory cycle: 1s/2s/3s/4s/5s/10s/15s/20s/30s/1min/2min/3min/4min/5min/10min/30min/1h/6h/12h
Internal memory: Program memory: 2 MB Flash (non-volatile), main memory: 2 MB SRAM, data buffering and RTC-buffering with lithium cell (replace after 10 years)
External memory: Supported CF memory cards: 32/64/128/256/512 MB
- Real time clock Switchable summer-/normal time, power reserve: buffering via lithium battery, deviation: < 10 min./year
- Languages English, German, French, Spanish, Italian

Product	Version	Order no.	Price/piece in \$			we hereby order:	total price:
			1 to 5	6 to 15	16 to 35		
RSG30	with 3 universal inputs	RSG30-A1A1AEA1	\$995.00	\$896.00	\$806.00	pcs	\$
	with 3 universal inputs, RS232/485, Ethernet with integrated Webserver	RSG30-A1B1AEA1	\$1067.00	\$961.00	\$865.00	pcs	\$
	with 6 universal inputs, RS232/485, Ethernet with integrated Webserver	RSG30-B1B1AEA1	\$1261.00	\$1135.00	\$1022.00	pcs	\$
Accessories	CompactFlash memory card 128 MB, industry standard	71043991	\$60.00			pcs	\$
	CompactFlash memory card 256 MB, industry standard	51009640	\$112.00			pcs	\$

Net excluding cost of shipping and taxes.
Acceptance per our Standard Terms and Conditions (find at www.e-direct.us).

Total price: FOB Greenwood, IN; shipped pre-paid; shipping charges and applicable taxes added to invoice. \$ _____

E-direct catalog (free)

Shipping method Ground Priority One Day Priority Two Day



(For customers in the USA only)

Online Shop www.e-direct.us
Order: by phone 888-EH DIRECT (343-4732)
by fax 800-321-7754
For special requests, e-mail us: e-direct@us.endress.com

E-direct
Endress+Hauser, Inc.
2350 Endress Place
Greenwood, IN 46143

Warranty Should an instrument fail during the 1 year warranty period, a replacement unit will be provided.
Delivery Shipment from receipt of order for quantities 1-3 within 2 business days.



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