



ECOGRAPH T RSG 30

INTRODUCTION:

Endress+Hauser works to a defined standard production time (from order entry to goods issue) depending on the variant of the Ecograph T RSG30.

Production times can be confirmed via your contact person or via the online shop.

The instrument can be used in many processes and industries:

- Quality and quantity monitoring in the water/wastewater industry
- Monitoring of processes in power stations
- Food and dairy industry processes
- Displaying and recording critical parameters in production cycles
- Tank and level monitoring
- Temperature monitoring in metal working
- Cold storage and transportation monitoring

PRODUCT DESCRIPTION:

- Versatile: up to 6 universal inputs record all measuring signals
- Clear layout: multi-colored display, digital, bar-graph and curve display
- System-enabled: network integration and remote data transmission
- Via Ethernet, RS232/RS485 (modem) and USB
- Safe: reliable data archiving with internal memory and separate Compact Flash card (mechanically locked). No data loss even in

Event of power failure!

- Reliable: inputs are galvanic ally isolated from the system
- Complete: Read win® 2000 PC software package contained in
- Scope of supply for professional, tamper-proof data processing

LIQUIPHANT DENSITY

The Endress+Hauser Liquiphant M density system offers outstanding product quality data, helping you to streamline your process, improve yield and save money! Endress+Hauser has made use of the tried and trusted vibronic principle to provide reliable data on density and quality - and in this it is just as reliable as in liquid level control.

Liquiphant M Density works in corrosive chemical processes or in hygiene applications. You can take advantage of the flexibility of the whole modular system and adapt it to your applications just as you were used to in the past. The M-series of the Liquiphant family can

Now also be used for different applications: The new Liquiphant M Density converts

The frequency change of the fork. Liquiphant M Density extends your arm and senses quality information for you directly in the process.

Trust your senses and feel...

...Immediately

You prefer trusting your senses. Things you can see and feel are credible.

Liquiphant M Density extends your arm and reaches directly into the process with its sensors. In this way, you access quality information in situ and online at any time without stopping your process.

...In your language

Before you have to get out a calculator you set your instrument to the required Unit – the density calculator will help you and display the needed information (°Brix, °Baumé, °Plato...).

...Reliability

We know the requirements of processes. Reproducibility, saving time and money, increasing quality – these are every day challenges waiting for you.

Liquiphant M Density supports you with the quick identification of the medium and immediate information. Process control and documentation are a lot easier now

REPLACEMENT OF MECHANICAL FLOW METER

ULTRASONIC METERS HAVE NO MOVING PARTS, THEY SUFFER NO PRESSURE LOSS AND THEY

PROVIDE MAINTENANCE –FREE OPERATION – IMPORTANT ADVANTAGES OVER CONVENTIONAL

MECHANICAL METER SUCH AS POSITIVE DISPLACEMENT METERS (PDs), TURBINE, ORIFICE PLATE AND VORTEX FLOW METERS. ULTRASONIC FLOW METERS MORE ACCURATE AND RELIABLE THAN COMPETING [SYSTEM.IT](#) HAS BEEN PRIMARY STUMBLING BLOCK, BUT THE CASE OF ULTRASONIC NOW STRONGER THAN EVER.

ENDRESS + HAUSER

ULTRASONIC FLOW MEASURING SYSTEM 2-WIRE LOOP POWERED INLINE FLOW METER.

CALIBRATED INLINE VERSION PROSONICFLOW 92F IS FOR MEASURING FLOW OF CONDUCTIVE AND ESPECIALLY NON-CONDUCTIVE LIQUID SUCH AS SOLVENT AND HYDROCARBON.

- AVAILABLE AS A 2 ,3 OR 4 BEAM VERSION
- NO PRESSURE DROP
- MAINTENANCE FREE DUE TO NO MOVING PARTS LOOP POWERED TRANSMITTERS

(2 WIRE)

- ACCURACY UPTO 0.3% (OPTIONAL)
- FLUID TEMPERATURE UP TO 150 C (302 F)
- PROCESS PRESSURE UPTO 40BAR (580 PSI)
- GALVANICALLY ISOLATED PULSE OUTPUT AVAILABLE

EPARATOR PERFORMANCE MONITORING

THE RADIOMETRIC MEASURING PRINCIPLE MEASURES IN A NON-INVASIVE MANNER, IT CAN BE USED IN APPLICATION IN WHICH OTHER METHODS FAIL DUE TO EXTREME PROCESS CONDITION OR MECHANICAL , GEOMETRIC OR BUILDING [IMPIRMENTS.IN](#) THE OIL AND GAS INDUSTRY , RADIOMETRYOFFERS CONSIDERABLE ADVANTAGES , IN INTERFACE NONITORING IN SEPARATOR AND ELECTROSTATIC DESALTERS.APART FROM THE LEVEL AND DISTINCT INTERFACE LAYERS , THE THICKNESS AND POSITION OF AN EMULSION LAYER IS MEASURED , TOO.THIS HELP TO OPTIMIZE THE ENTIRE SEPARATION PROCESS.

THE MEASURING PRINCIPLE IS BASED ON THE FACT THAT ISOTOPES EMIT RADIATION WHICH IS DAMPENED AS IT PENETRATES MATERIAL (OR THE MEDIUM TO MEASURED). IN RADIOMETRIC DIP MEASUREMENT, THE SOURCE IS INSERTED IN CLOSED DIP TUBE VIA ROD OR ROPE EXTENSION WHICH INCLUDES ANY CONTACT OF THE SOURCE WITH THE MEDIUM.

DEPENDING ON THE MEASURING RANGE AND THE APPLICATION , ONE OR SEVERAL DETECTORS-ALSO CALLED COMPACT TRANSMITTERS ARE AROUND ON THE OUTSIDE OF THE OUTSIDE OF THE TAN.A DIRECT RELATIONSHIP TO THE INTERFACE LAYERS CAN THEN BE DERIVED FROM THIS DENSITY VALUE.

THE GUIDED RADAR FOR ALL YOUR LEVEL MEASUREMENT SOLUTION

TEMPERATURES UPTO 400 DEG C – PRESSURES UPTO 400 BAR

- CONTINUOUS LEVEL
- REDUNDANT LEVEL
- INTERFACE MEASUREMENT
- LEVEL LIMIT DETECTION
- BOILER DRUM LEVEL CONTROL

DISPLACEMENT SYSTEM HAVE BEEN USED IN THE PAST FOR LEVEL

MEASUREMENT IN THE BY - PASS – GUIDED RADAR DEVICE (TDR)

PROVIDES AN OPTIMUM SOLUTION FOR SUCH MEASURING TASK & OFFERS

NUMEROUS COST BENEFITS WHILST REDUCING MAINTAINANCE COST