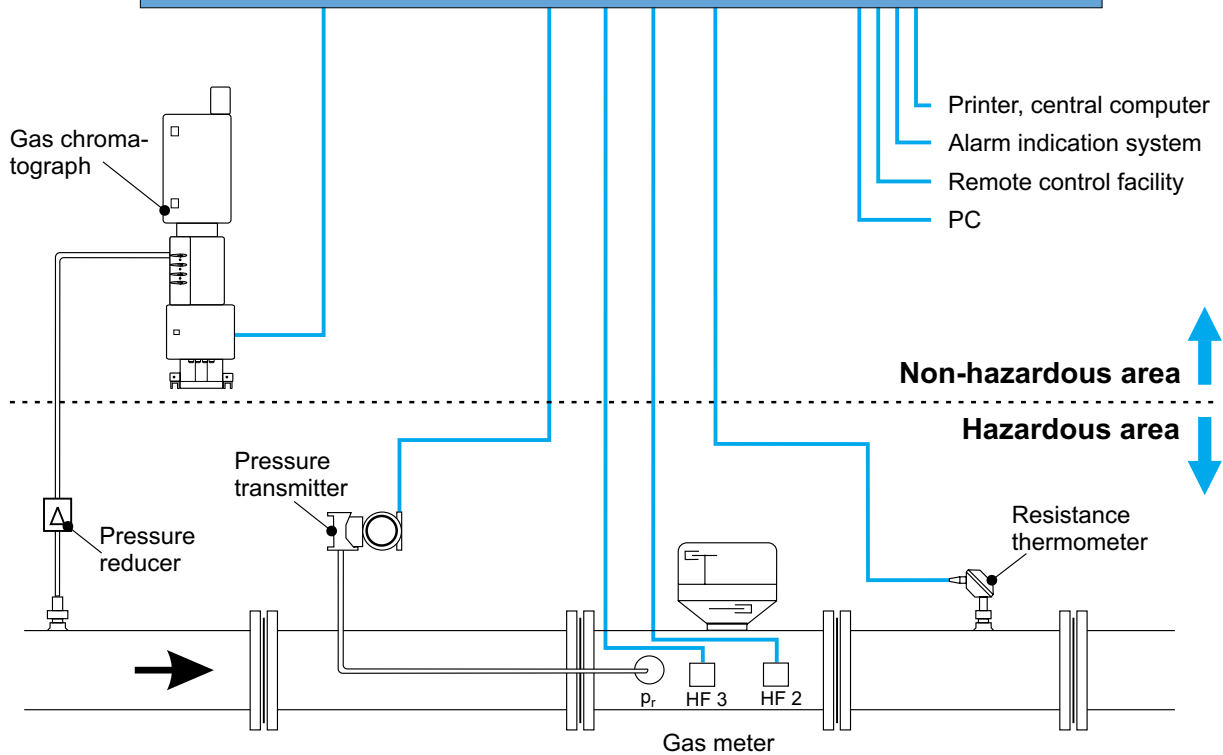
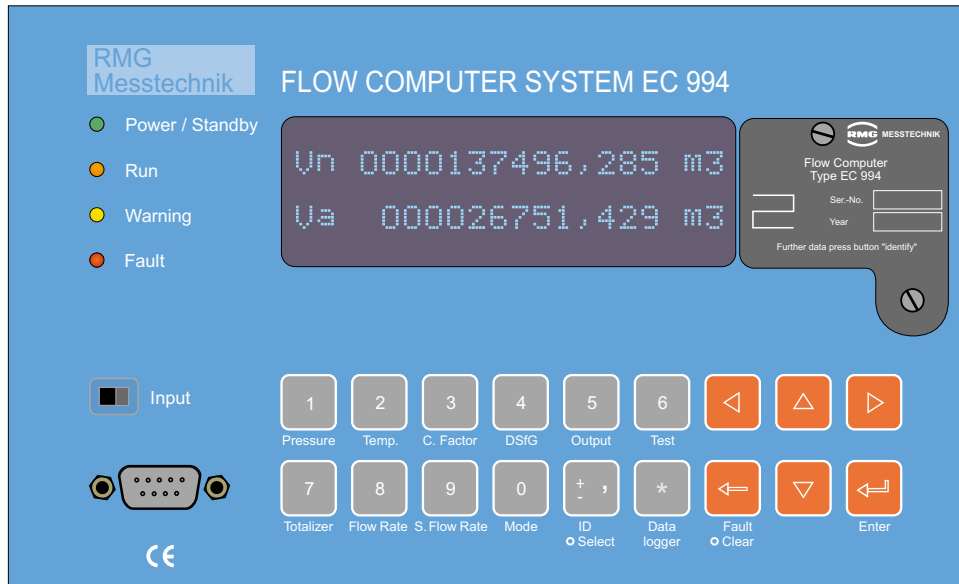


Volume Corrector EC 994



RMG Meßtechnik GmbH



Publication No. 9/99

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Reliability in gas supply -
 single-sourced across the board

Volume Corrector EC 994

Description

The EC 994 volume corrector can be used as a **PTZ corrector** (calculation of the standard volume) or as a **superior calorific value corrector** (calculation of the energy content) in conjunction with all gas meters. It has been approved by PTB for custody transfer natural gas measurement.

The gas meter is to be connected to the two pulse inputs (intrinsically safe, explosion-proof isolation built into the case). But it is also possible to transmit the meter registrations digitally.

The EC 994 is easy to operate. All configuration data and measured and calculated values are stored in an easy-to-survey table. All cells of this table can be reached and displayed by pressing arrow keys. Moreover, major variables, such as pressure, temperature or totalizers, can be accessed directly by pressing a single key.

Features

Calculation of the K coefficient can be selected as per GERG 88S or AGA-NX-19 (or it can be entered as a constant).

Bus interface (DSfG or MODBUS) with a transmission rate of up to 115200 baud.

Remote parameterization is possible via DSfG bus

Data logger for use as a recording device as per the DSfG standard.

Original gas meter registrations can be read and used for correction (if meter registrations are transmitted digitally).

Error curve linearization of the gas meter.

Calibration during operation / freezing measured and calculated values.

Rack-mounting case for installation into subracks.

Specifications

<p>Ambient temperature: -20°C to +60°C</p> <p>Power supply: 24 V/DC or 230 V/AC</p> <p>Power requirement: 35 W</p> <p>Display: 2-line fluorescent display</p> <p>Space required: ½ 19" (42 depth units) height: 3 units</p>	<p>Interfaces</p> <p>Front panel: RS-232 C / V24: for portable PC (notebook computer)</p> <p>Rear panel: RS-232 C / V24: e.g. for printer or central computer</p> <p>RS-485: DSfG or MODBUS interface</p>
<p>Inputs</p> <p>Volume input: 2 channels, maximum frequency: 3 kHz</p> <p>Current input: 0/4 to 20 mA, for pressure transmitter</p> <p>Resistance input: 4-wire connection, for resistance thermometer</p> <p>3 Digital inputs: $U_{max} = 5 \text{ V}$, $I_{max} = 20 \text{ mA}$, for status signals</p>	<p>Outputs</p> <p>4 Current outputs: 0/4 to 20 mA, freely programmable, electrically isolated and potential-free</p> <p>4 Transistor outputs: $U_{max} = 24 \text{ V}$, $I_{max} = 100 \text{ mA}$, 2 totalizers and 2 dispatchers</p> <p>2 Relay outputs: $U_{max} = 24 \text{ V}$, $I_{max} = 100 \text{ mA}$, for alarm and warning</p>

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