Flow Computers for Liquids and Gases

flow measurement – utility metering – energy consumption

A flow computer is a special purpose device which computes a corrected flow based on information derived from raw input signals and stored sensor and fluid properties information.

KEP Flow Computers with inbuilt rate, total and batching functions are compatible with all flowmeter types and are ideal for metering energy consumption in Heated/Chilled Water and Steam applications.

Typical flow applications include computation of heat flow, mass flow, corrected volume flow, data logging, communication, remote metering, alarming and control functions, replacement of a small PLC functionality.

Features/Options of Multifunctional Utility Meters:

- bundled with Peak Demand, AGA NX-19, Stacked DP, Stack Emissions Controller, Manifold
- multichannel auxillary inputs and totalizers
- with separate heating and cooling total
- for saturated steam energy and condensate return energy
- net rate and net total flow and sum of 2 flowmeters
- 2 Channel Manifold Controller
- natural gas AGA NX-19
- steam mass, steam heat, steam net heat, steam delta heat equations
- industrial gases with advanced gas equations: gas mass, corr. volume, combustion heat
- compressed air with advanced options

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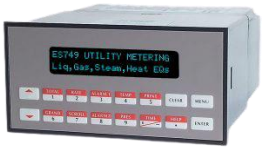
Liquid & Gas Flow Computer Models/Enclosures:

Inbuilt printer system	Rugged vehicle or skid mount enclosure	Liquid & gas flow applications	Multi-functional utility metering
			
including transaction printout with Impact Printer (other printers available) enclosed in a fiberglass enclosure	Provisions for Sealing. Universal Viscosity Curve (UVC) and API Equation Advanced Batching Features: Overrun Compensation, Autobatch Start, Print End of Batch, Slow Fill, 2 Stage Batching, remote metering	Pulse support, Universal Viscosity Curve and Strouhal/ Roshko adv. lineari-zation methods Gas & Liquid Flow Equations (Volume, Mass, Corrected Volume), 10 selectable fluid tables	variety of types for liquid, gas, steam, heat applications variety of inputs & outputs, multiple flow equations

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