caom GROUP

SYSTEM FOR CALCULATION OF STEAM ENERGY
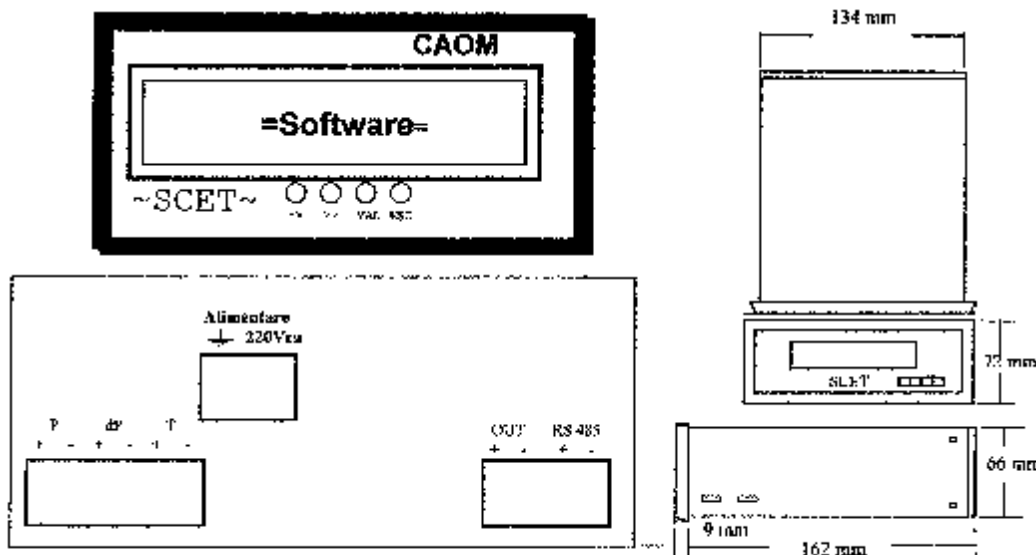
CAOM SCET- 02

The SCET - 02 device is a hardware – software device designed to operate in automation process systems. The device allows the display and the counter of the flow and thermal energy of steam. It has 3 inputs: absolute pressure, temperature and pressure drop on diaphragm in unified current 4…20 mA or voltage 0…5V. The device also has a unified signal output (4…20 mA) for recorders. For each input, a series of parameters can be programmed such as: minimum and maximum values in engineer units, the alarming values, the decimals number. The interior and exterior diaphragm diameter, the diaphragm material and the position of the pressure intake ports can be programmed.

The device has a flash memory that saves the temperature, the pressure, the pressure difference and the flow and energy counters at a programmed time interval.

Obs. At a 15 minutes sampling time, the above mentioned parameters can be stocked for 15 days. The data as well as the parameters saved in the flash memory will not be lost when voltage drops. The device can be connected into a RS485 network for computer monitoring of the input values.

For details about these products, contact GENPRO LTD in Suceava, G. Enescu Blvd no 16, Suceava county, 720247, Romania
tel. 0040230-511591, fax 0040230-406004, email: genpro@caom.ro   **www.caom.ro**

Technical characteristics

Supply	220 V ca ± 10%
Input	Unified signal 4…20 mA or 0…5 V
Output	Unified signal 4…20 mA for recorder Serial output for coupling into RS485 network
Display	Alpha-numerical LCD display with 2 rows with 16 characters and backlight
Programming	3 keys system Programmed values: measurement range of the input parameters (P, dP, T0, alarm values, measurement units, diaphragm parameters, hour, date, sampling time
Measurement range	Pressure 1…300 bar Temperature 100…600 ^{0}C Pressure drop on diaphragm: 0…1 bar
Precision	0.25%
Storage and transportation temperature	-25 ^{0}C…+ 70 ^{0}C
Humidity	Max. 85%
Protection degree	IP40 (carcass) ; IP20 (terminals)
Operating temperature	5…45 ^{0}C
Mounting	In boards or electric boxes
Carcass	ABS carcass, size 72 x 144 x 156 mm
Weight	Max. 0.750 kg

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2