

Fraktotemp 4000

- Unites all tasks of measurement and controlling of distillation equipment
- Simplest handling
- Economically priced and all-purposed



Fraktotemp 4000 with microprocessor controller and digital timer

The FRAKTOTEMP 4000 is a concept for controlling distillation equipment.

Three temperature sensor inputs are disposable for sump, column and head temperature. Temperature sensor ports are configurable for all common sensors like Pt 100, thermocouples "K" etc.

The measurement results are shown on three digital indicators. The lower one has also a control function. Heating from a capacity of 230V/10A is regulatable. Selfoptimization is possible. The indicator in the middle is used for controlling the column for example and the upper one indicates the head temperature. The distillate extraction temperature is programmable

Technical datas:

Type	Fraktotemp 4000
Housing	Aluminum, red varnished, front and back plate is anodized
Dimensions W x H x T in mms	125 x 215 x 135
Weight in kg	1,5
Measurement range	Programmable
Control range	Programmable
Possible sensors	J = 0 + 1200°C, K = 0 + 1372°C, S = 0 + 1769°C Pt 100 = -199,9 + 850,0°C, 4 - 20 mA with internal supply (Option)
Actual value-setpoint displays	10 mm high, green
PID adjustment characteristics	Free selectable or selfoptimization
Indication accuracy	≤ 0,4% / 100ppm/K for TC, ≤ 0,1% / 50ppm/K for Pt100
Control accuracy	± 0,1°C with adequate optimization possible
Sensor sockets	3 pcs. Of 4-pole Lemo sockets
Breaking capacity	10A / 230 V, ohme resistive load, Option: 15A = 3,3KW
Outputs	Steering output for column head 24VDC, 1,25 A Max 230 V control output by protective contact socket

here, too.

The FRAKTOTEMP 4000 is fittable to all common column heads by a switch on the backside. Furthermore the function "permanent return" or "permanent extraction" is reachable by a switch on the frontside. The fraction and return times are adjustable from 0,1 sec. to 99,9 h starting with return or fraction (selectable).

A 4-20mA input with internal voltage supply is realizable (Option).

Thereby the FRAKTOTEMP 4000 can administrate multiple tasks in controlling and steering with only small complexity.