

# VISCOSITY CONTROLLER : 8004

Associated to sensors: MIVI or CIVI

## Instant measurement and continuous control of the viscosity

Regulation ensures the sequential solvent contribution to maintain constant viscosity of ink (or other products).

Data processing and regulation module is flush-type (1/8 DIN format).

### PRESENTATION

The 8004 electronic cabinet allows the vibration of the MIVI or CIVI viscometers and processes the amplitude variations in order to deliver a linear viscosity response, a digital display, a control loop as well as analogue and digital outputs.

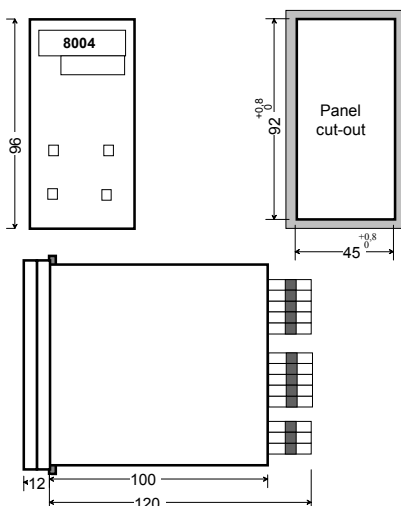
### OPERATING CONDITIONS

Process temperature: -20°C to 100°C

Working temperature 0 to 50 °C.

Watertightness IP 20 (IP 65 on façade)

OPTION : Mounting in a watertight box (IP 65)



### FUNCTIONS

**Regulation:** All or nothing, All or little or nothing, PID

**Calibration:** Programmed at the factory (20 possible segments)

**Alarms:** Programmable thresholds and hysteresis

### DISPLAY

- Permanent display of viscosity (4 digits)
- Permanent display of instructions or the output of regulation (4 digits)
- Status display (5 indicators: alarms, manual/auto mode, connections)

### POWER SUPPLY

- 85 to 265 Vac/dc. Option: 18 to 54 Vac/dc

### SOFTWARE WISC84 (optional)

### OUTPUTS: Independent and insulated

- **1 analog output standard:** 0 or 4 - 20 mA,  $\pm 0,1 \%$ . Z max. : 750  $\Omega$   
or 0 - 5 or 10 V, running < 20 mA
- **2 relay outputs standard:** Switching power up to 2A , 250 Vac or 30 Vdc
- **1 serial port option :** RS 232: Monopoint type (distance < 30m)  
or RS 485: Multipoint type: 32 devices (dist. < 1,000m)  
Insulation: 265 V<sub>eff</sub>.  
Speed: 1,200 to 38,400 bauds. Cable : 1 pair  
Protocol: MODBUS, Slave. Code: RTU
- **1 analog output option:** 0 or 4 - 20 mA,  $\pm 0,1 \%$ . Z max. : 750  $\Omega$   
or 0 - 10 V, running < 20 mA

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