



SEMITRONIX



**EXHAUST AIR CONTENT
MEASURING AND AUTOMATIC
CONTROL SYSTEM**



EXHAUST AIR CONTENT MEASURING AND AUTOMATIC CONTROL SYSTEM

FOR APPLICATION TO
MONITOR EXHAUST
MOISTURE AND
OXYGEN CONTENT &
CONTROL SYSTEM
FOR
STENTER,
LOOP STEAMER/BOILER
AND THERMOPACK

- Energy is expensive, hence wastage should be avoided & should not blow the heat of dryer through the roof & must cut exhaust volume to the actual need.
- To minimise fuel consumption by controlling the moisture content of exhaust air continuously by controlling exhaust damper or exhaust fan.
- Improve quality of fabric by controlling oxygen content with optimum energy consumption for loop steamer.

FIND APPLICATIONS

- Stenter frame (textile, carpet).
- Dryer for tubular fabric/yarn.
- Printing machine.
- Sizing machine with infra-red dryer.
- Heatsetting for carpet yarns.
- Drying wood for paper-making machine.
- Flat surface dryer (building slabs, card-board, wooden boards).
- Dryer for webs of endless fabric (leather fibre, foamed material).
- Baking oven.
- Conditioning with high humidity.

SPECIAL FEATURES

- On-line measurement.
- High responsiveness and great measuring accuracy.
- Extremely simple and thus very fast installation.
- Any desired cable length between measuring probe and evaluation electronics.
- Calibration can be carried out extremely quickly.
- Requires virtually no maintenance.
- Can be used at extremely high temperature (upto 600° C).
- No moving parts.
- Extremely robust and can thus be used with very high air pollution levels.
- Can be used with dryers directly heated by gas.
- Available as a complete measuring and control system.

The installation of the unit leads:
REDUCES PRODUCTION COST
Elimination of wastage of energy during drying or steaming process thus drying/production cost can be reduced.

SHORT PAYBACK PERIOD

In normal course also amount invested for this unit can be recovered in a short period.

MODEL AVAILABLE

○ MODEL EMC-102

Ambient
temperature : Max. 50° C.
Mains supply : 230V/115V
+/- 10%.

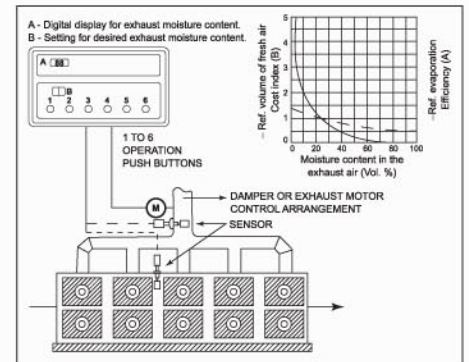
Power
consumption : Approx. 80 VA.
Output signal : 4-20mA (linear)
with galvanic
isolation (optional)
or two relay output.

Measuring
ranges : 0-30%.
0-100%.

Dimensions : 170 X 325 X 300 mm

FACILITY AVAILABLE

- Serial interface for PLC and computer.
- Software package for management information.



For further details, contact



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