

New PLEVA Process Box

designed to connect multiple PLEVA sensors to one microprocessor box

Fabric / Air temperature TDS95
Air humidity FSX
Residual moisture RR-WIDE

Drying process
Heatsetting process
Heattreatment process



PLEVA Process Box



Fabric / Air temperature
TDS95



Air humidity
FSX



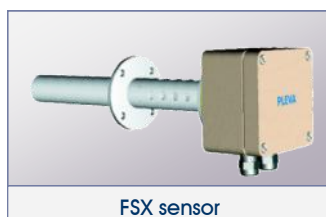
Residual moisture
RR-WIDE

Connection of multiple PLEVA sensors at one box

- ◆ **up to 8 Fabric / Air temperature sensors TDS95**
for fabric and air temperature up to 400 °C
- ◆ **1 Air humidity sensor FSX**
new sensor FSX with integrated controlled heating
and large measuring range 0..250 g/kg, 0..500g/kg, 0..1000 g/kg
- ◆ **1 Residual moisture measurement RR-WIDE**
to measure between two isolated guide rollers 3.5 ..16% (at cotton)



TDS95 sensor



FSX sensor



RR-WIDE rollers



Fabric / Air temperature
TDS95



Air humidity
FSX

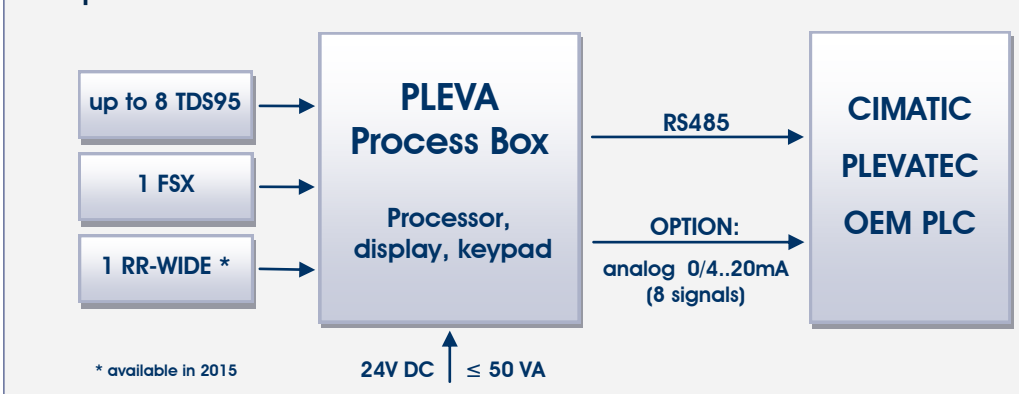


Residual moisture
RR-WIDE

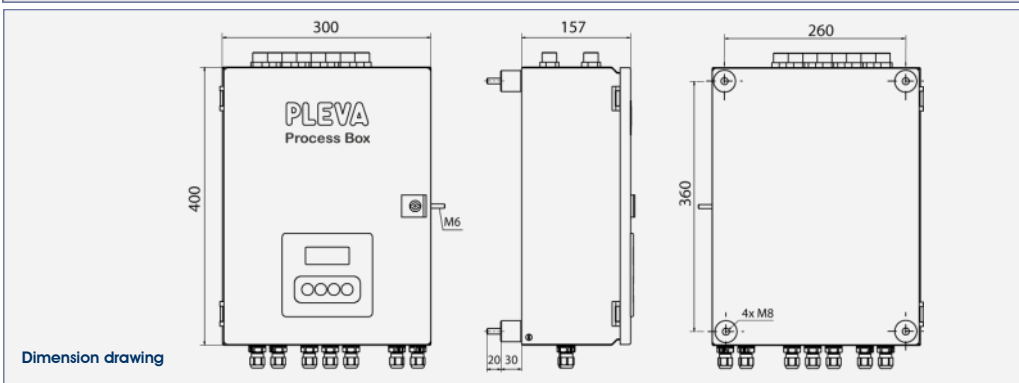
Main features of the new PLEVA Process Box

- ◆ Economical price for sensor package
- ◆ Newest state of processor technology and improved EMC protection
- ◆ One process box for multiple sensors reduces installation work
- ◆ Reduced wiring and cable costs
- ◆ Easy upgradable for additional sensors
- ◆ New air humidity sensor FSX with wide measuring range, adjustable by keypad
- ◆ Compatible mounting dimension with previous cabinet

Principle schematic



Types of PLEVA Process Box



Types of PLEVA Process Box

PLEVA Process Box type PPB	Sensors		
	TDS95	FSX	RR-WIDE *
. □ □ □ □	. X - - -	. - X - -	. - - X □
4 0 0 x	4	0	0
4 1 1 x		1	1
6 0 0 x	6	0	0
6 1 1 x		1	1
8 0 0 x	8	0	0
8 1 1 x		1	1
OPTION OUTPUTS: * available in 2015			
X X X 1	= Analog outputs, 8 signals 0/4..20mA isolated + Communication Bus RS485		
X X X 0	= Communication Bus RS485 (no analog outputs)		

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