



Comparison Sheet

ETAMATIC OEM / ETAMATIC / CMS / FMS



Comparison of Combustion Management System

	ETAMATIC OEM
Display / Operation	
Alphanumeric external display	x
Alphanumeric internal display	-
Graphic Touchpanel 7"	-
Graphic Touchpanel 10"	-
Graphic Touchpanel 15"	-
User interface (UI400)	-
Commissioning via display	-
Commissioning via software	x
Burner Control	
Gas / Oil	x
Gas / Gas	x
Oil / Oil	x
Number of fuels	2
Number of leakage tests	1
Extended inputs and outputs (bis 60 / bis 41)	with LSB Module
Integrated PLC (CODESYS)	-
Simultaneous combustion	-
Inputs and outputs freely configurable	-
Modbus TCP (onboard)	-
Electronic compound	
Number of operating modes / curve sets	2
Number of outputs for servo motors	4
Speed control (VSD)	x
Control of the mechanical connection	x
TPS, actuator outputs	4
Continuous, actuator outputs	1
Type approved System	x
SIL 3	x
Correction from Air and Fuel	
Integrated O ₂ trim	x
Integrated CO Control	x
Any other external connection inputs	-
Number of correction inputs	1

ETAMATIC	CMS Release 1	CMS Release 2	FMS
-	-	-	-
x	-	-	x
-	x	x	-
-	-	x	-
-	x	x	-
-	x	x	-
x	x	x	x
x	x	x	x

x	x	x	x
x	x	x	x
x	x	x	x
2	4	4	2 (3 with mixed combustion)
1	4	4	1
with LSB Module	x	x	with LSB Module
-	x	x	-
-	-	x	x
-	x	x	-
-	x	x	-

2	16	16	8
4	10	10	5
x	x	x	x
x	x	x	x
4	10	10	4
1	10	10	5
x	x	x	x
x	x	x	x

x	x	x	x
x	x	x	x
-	x	x	x
1	4	4	2

Comparison of Combustion Management System

	ETAMATIC OEM
Ventilation / Purge	
Start without pre-purge according to EN676	x
Start without pre-purge via digital input	-
Pre-purge configurable	x
Post-purge configurable	x
Cooling mode	-
Flame monitoring	
Integrated ionisation monitoring	-
Integrated optical flame monitoring	x
Digital inputs	1
Fuel changeover/ Simultaneous combustion	
Fuel changeover via burner off	x
Fuel changeover via pilot burner	-
Fuel changeover in operation without power loss	-
Curve set changeover in the same fuel	x
Stage mixed combustion	-
Safety chains	
Common contact for safety interlock chains	3
Ability to resolve the safety chains	with NEMS
Number of inputs	with NEMS up to 16
BUS systems	
Modbus TCP	x
PROFIBUS DP	x
PROFINET	x
Modbus RTU	x
Analogue inputs	
Non-failsafe	-
Failsafe	-

ETAMATIC	CMS Release 1	CMS Release 2	FMS
x	x	x	x
-	x	x	x
x	x	x	x
x	x	x	x
-	-	x	-

-	x	x	-
x	x	x	-
1	2	2	1

x	x	x	x
-	x	x	x
-	-	x	x
x	-	x	x
-	-	x	x

3	10	10	3
with NEMS	x	x	with NEMS
with NEMS up to 16	60	60	with NEMS up to 16

x	onboard	onboard	x
x	-	x	x
x	-	x	x
x	-	x	x

-	18	18	2
-	9	9	-

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