

PARAMETER LIST AND DESCRIPTION FOR MICROPROCESSOR 7.00

No.	Abbreviation	Description	meas. unit	Default	LEVEL 2 ISG		LEVEL 3 ISG ROEDER LEVEL		LEVEL 3		LEVEL 4		ACTIVE COMBI		LEVEL 6	
					GAS	ELECT	GAS	ELECT	GAS	ELECT	GAS	ELECT	GAS	ELECT	GAS	ELECT
1	FL_GAS	Appliance type (Gas = 1, Elec = 0)		0	1		1									
2	FL_ISG	Appliance type (1= ISG, 0= BOLLER)		0	1	1	1	1								
3	FL_FAHR	Temperature unit ('F = 1, °C = 0)		0												
4	LEVELLO_E2P	Level version (2,3,4 or 6)		3	2	2	1	1								
5	ABMFLP	Presence of motorised cavity flap (Yes = 1, No = 0)		0												
6	ISPRB	Max temperature drop of meat probe to enable a restart of a cooking program	°C	40												
7	SPHBOL	Boiler preheating temperature	°C	85												
8	SEBLFLM	Bypass temperature with max. cooking chamber steam temperature	°C	100												
9	ALTSLM	Height of installation site above sea-level	mt	0												
10	DEFSCHV/F	Hot air + flap preset	°C	150												
11	DEFSCHV	Hot air preset	°C	150												
12	DEFSMIX	Moisture preset	°C	150												
13	DEFSRIG	Regeneration preset	°C	140												
14	DEFSVTR	Low temperature steam preset	°C	85												
15	DEFSPRBMeat	Meat probe preset	°C	50												
16	MAXDUR	Max. cooking time	min	480												
17	SFLUMGNV	Steam condenser engagement in "hot air" mode	°C	90												
18	SFLUMBOL	Steam condenser engagement in "boiler" mode	°C	80												
19	SRIIMPV	Steam impulse time on "regeneration" mode	SEC	10												
20	SC_HON	"ON" phase of cavity motor in COOK & HOLD mode	SEC	5												
21	SC_HOF	"OFF" phase of cavity motor in COOK & HOLD mode	SEC	25												
22	HHBOLMX	Delay for boiler drain if parameter 23 is <=50°C	H	8	0	0	0	0	0	0	(D)	(D)	2	2	2	2
23	TSCOBAMX	Max water temperature for boiler drain	°C	50												
24	HHBOL	Boiler hours counter	H	0												
25	QHONV	Hot air hours counter	H	0												
26	QHVAR	Hot air hours counter	H	0												
27	QHMAX	Steam hours counter	H	0												
28	OFFTCEL	Moisture hours counter	°C	0	NOTE 2	NOTE 2	NOTE 2	NOTE 2	NOTE 2	NOTE 2	NOTE 2	NOTE 2	NOTE 2	NOTE 2	NOTE 2	NOTE 2
29	SSGH	Offset to add at the water boiling equilibrium temperature in order to display 100°C on screen	°C	35	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4
30	R_TARPO10	Cooling temperature set for board ventilation	°C	473	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1
31	R_TARPO11	Resistance value of temperature potentiometer at 100°C	Ω	870	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1
32	R_TARPO12	Resistance value of temperature potentiometer at 200°C	Ω	1770	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1
33	R_TARPO13	Resistance value of temperature potentiometer at 300°C	Ω	2622	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1
34	DSIMIX	Correction value for by pass temperature on regeneration mode	°C	300												
35	DSIRIG	Correction value for by pass temperature on regeneration mode ISG	°C	30												
36	SFLUMMX	Delay steam condenser	SEC	2												
37	SVAPON	Minimum time for "switch on" on steam mode	SEC	15												
38	SVAPOFF	Minimum time for "switch off" on steam mode	SEC	20												
39	SONVNTMX	Fan delay after closing door during steam and low temperature mode	SEC	30	0	0	0	0								
40	SINGOL	Boiler temperature that detect presence of scale	°C	113												
41	SRIGBOL	Boiler temperature that detect regeneration mode	SEC	50												
42	SRIGCEL	Time phase "boiler on" during regeneration mode	SEC	100												
43	ISRIG	Time phase "cavity on" during regeneration mode	°C	20												
44	ITAFCLIN	Temperature drop to switch from phase X to phase Y during regeneration mode	°C	90												
45	TENDCLN	Cool down temperature for CLEAN mode	°C	99	95	95	95	95	95	95	95	95	95	95	95	95
46	SF1CLN	Cooking chamber final temperature during CLEAN mode	SEC	300												
47	SF2CLN	Time phase 1 in CLEAN mode	SEC	120												
48	SF2CLN	Pause time in CLEAN mode	SEC	600												
49	MSELOFF	Time phase 2 in CLEAN mode	SEC	20												
50	PSELOFF	FUZZY LOGIC m parameter SCELOFF=SCEL(-q+n*DT/D)		0	4(A)	4(A)	4(A)	4(A)	4(A)	4(A)	4(A)	4(A)	4(A)	4(A)	4(A)	4(A)
51	ISCELOFF	FUZZY LOGIC p parameter SCELOFF=SCEL(1+ p/400)-1		2	0(A)	0(A)	0(A)	0(A)	0(A)	0(A)	0(A)	0(A)	0(A)	0(A)	0(A)	0(A)
52	DTCELOFF	FUZZY LOGIC i parameter SCELOFF=SCEL(1+ p/400)-1		2	1	1	1	1	1	1	1	1	1	1	1	1
53	SOFTSTR1	FUZZY LOGIC parameter (i) define the derivative value to switch off cavity heaters)		0												
54	PFL_NMOPRG	Flag for selection of manual or automatic program		0												
55	FL_ASHUMI	Flag to enable the possibility to programs modifications 0=On 1=Off		0												
56	FL_DISPAP	Flag manual humidifier 0=Off 1=On		1	0	0	0	0								
57	SIBOL	Flag to enable the possibility to programs modifications 0=On 1=Off	°C	85												
58	SSCHMX	Max. circuit board temperature	°C	70												
59	MSCHMX	This is the max. time allowed to the board to works at the temperature defined to par.54	MIN	60												
60	MAXSCHV/F	Max temperature in hot air mode + flap	°C	300												
61	MAXSCHV	Max temperature in hot air mode	°C	300												
62	MAXSMIX	Max temperature in moisture mode	°C	250												

SM S3691_1_MAXSRMETER LIST 7.003Temperature in regeneration mode

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					GAS	ELECT	GAS	ELECT	GAS	ELECT	GAS	ELECT	GAS	ELECT	GAS	ELECT
64	MAXSVTR	Max temperature in low steam mode	°C	99												
65	MINSVTR	Min temperature in low steam mode	°C	15												
66	MAXSPRB	Max meat probe temperature	°C	99												
67	MINSPRB	Min meat probe temperature	°C	0												
68	TRAFHMX	Max temperature allowed for fast cavity cooling	°C	180												
69	DSPRB	Minimum difference of temperature between cavity and meat probe	°C	5												
70	DTSTEP1	Temperature increment for potentiometer step1	°C	1												
71	DTSTEP2	Temperature increment for potentiometer step2	°C	5												
72	DTSTEP3	Temperature increment for potentiometer step3	°C	10												
73	DSVAP	Temperature difference in bypass on steam mode	°C	1												
74	DSRIG	Temperature difference in bypass in regeneration mode	°C	40			60	60								
75	TMAXCEL	Max. cooking chamber overheating	°C	320												
76	TMAXBOL	Max. steam generator overheating	°C	125												
77	TMAXISG2	Max temperature allowed for water injection "ISG"	°C	180												
78	DONCVB	Delay for POWER ON after reaching water safety level	100ms	20												
79	DOFCVB	Delay for POWER OFF after reaching water safety level	100ms	20												
80	DONCLB	Delay for POWER ON after reaching water working level	100ms	50												
81	DOFCLB	Delay for POWER ON after reaching water working level	100ms	10												
82	DONKEYMAX	Delay on activation delayed keys	100ms	15												
83	SOFFLP	Time to open cavity flap	SEC	18												
84	STOFLP	Time to close flap	SEC	40												(C)
85	SSCBAMX	Time to boiler automatic drain	SEC	120	0	0	0	0	0	0	(E)	(E)				(C)
86	STCELMX	FUZZY LOGIC parameter (frequency of microprocessor reading to workout overshoot)	SEC	4												
87	DTGINI	Max temperature drop allowed for store ram memory after a power fail	°C	30												
88	QSCELOFF	FUZZY LOGIC q parameter SCELOFF=SCEL-(q+n*DT/Dt)		-1												
89	DTCELOIN	FUZZY LOGIC parameter (t define the derivative value to switch on cavity heaters)		-1												
90	BMSCELPID	FUZZY LOGIC dead band where no integral adjustment is done	°C	0.5												
91	INCSCELPID	FUZZY LOGIC (this parameter avoid the ripple deviation of temperature control)	°C	1												
92	DSCELPIDMX	FUZZY LOGIC (this parameter avoid the ripple deviation of temperature control)	°C	3												
93	SCELOINMX	Max time of cavity heaters ON when cavity temperature l >= to set point	SEC	15												
94	FL_ABIHVI	Flag to enable 1/2 power		0												
95	FL_ABORT	Flag to enable cavity temperature displaying adjustment		1												
96	SHUMCNVDF1	By pass offset (1) in hot air +flap mode	°C	43												
97	SHUMCNVDF2	By pass offset (2) in hot air +flap mode	°C	80												
98	ISHUMCNVF	By pass isteresy in hot air+flap mode	°C	1												
99	SHUMCNVD1	By pass offset (1) in hot air	°C	50												
100	SHUMCNVD2	By pass offset (2) in hot air	°C	70												
101	ISHUMCNV	By pass isteresy in hot air	°C	1												
102	DSHUMMIX	By pass offset in moisture mode	°C	4												
103	DSHUMRIG	By pass offset in regeneration mode	°C	4												
104	DSRIGBOL	By pass offset in steam	°C	2												
105	T_TARPO10	Low temperature value for potentiometer calibration	°C	50												
106	T_TARPO13	Upper temperature value for potentiometer calibration	°C	300												
107	PMAXNPRG	Max. number of programmable cooking modes		49												
108	SEL5060	Frequency change (0:meas./50Hz, 1:meas./60Hz, 2:force 50Hz, 3:force 60Hz)		0	NOTE 3	NOTE 3	NOTE 3	NOTE 3	NOTE 3	NOTE 3	NOTE 3	NOTE 3	NOTE 3	NOTE 3	NOTE 3	NOTE 3
109	FL_ABVHACCP	Flag HACCP (0=OFF, 1=ON)		0	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6
110	FL_ABVHACCP	0=HACCP BASIC, 1=HACCP ADVANCED		1												
111	FL_MIXR	COMBINED CYCLE FOR AUSTRALIA		0												
112	FL_DISLMPPAU	LIGHTS DURING PAUSE CYCLE (0=ON, 1=OFF)		0												
113	MFCINMIN	MIN. COOKING TIME FOR FORCED CLEAN MODE	MIN	0												
114	FL_ABVHACCPSPV	FLAG HACCP SUPERVISOR ENABLE		0												
115	HACCP_TPRB_THRHACCP	THR HACCP IN T PROBE THRESHOLD	°C	50												
116	HACCP_SECL_THRHACCP	THR HACCP IN SECL PROBE THRESHOLD	°C	60												
117	SHACCP_DOOR_THRHACCP	THR HACCP DOOR OPEN TIME OUT	SEC	30												
118	FL_HACCP_AND	LOW RISK HACCP AND CONDITIONS FOR RESULTS		1												
119	HACCP_F_LOW	LOW RISK HACCP F*10 THRESHOLD FOR RESULTS	°C	60												
120	HACCP_TC_LOW	LOW RISK HACCP CORE TEMPERATURE THRESHOLD FOR RESULTS	°C	54												
121	FL_HA_AND_HIGH	HIGH RISK HACCP AND CONDITIONS FOR RESULTS		1												
122	HACCP_F_HIGH	HIGH RISK HACCP F*10 THRESHOLD FOR RESULTS	°C	500												
123	HACCP_TC_HIGH	HIGH RISK HACCP CORE TEMPERATURE THRESHOLD FOR RESULTS	°C	70												
124	OFFTPRB1	OFFSET T PROBE 1	°C	0												
125	OFFTPRB2	OFFSET T PROBE 2	°C	0												
126	OFFTPRB3	OFFSET T PROBE 3	°C	0												
127	OFFTPRB4	OFFSET T PROBE 4	°C	0												
128	OFFTPRB5	OFFSET T PROBE 5	°C	0												
129	OFFTPRB6	OFFSET T PROBE 6	°C	0												

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					GAS	ELECT	GAS	ELECT	GAS	ELECT	GAS	ELECT	GAS	ELECT	GAS	ELECT
130	MAX_OFTTPRB	MAX OFFSET T PROBE	°C	4												
131	FL_ABRBNOK	FLAG PROBE INSERTED DETECTED ENABLE		1										3	3	
132	AL_VNT	WATER LEVEL PROBE ALARM 0 = No alarm 4 = alarm activated		0										0	0	
133	SMUTFE_TO	TIMEOUT FOR WATER LEVEL PROBE ALARM 0 = DISABLED CONTROL FLAG TO ENABLE DEMO MODE	SEC	0												
134	FL_DEMO	0 = DISABLE 1 = ENABLE		0												
135	FL_TC_ENABLE	DEFINE THE TYPE OF TEMPERATURE SENSORS USED 0 = PT1000 1 = THERMOCOUPLE		0												

notes: 1: adjust the oven chamber temperature potentiometer

2: calibration of the oven chamber temperature: use the steam cycle until the oven temperature has stabilised; at this point the parameter has to be modified in order to display 100 °C as oven chamber tempe

3: parameter set to 1 for oven for the U.S.A. - 60 Hz

4: parameter set to "20" only for 20 1/1 and 20 2/1 gas heated ovens and for 6 grid blown ovens

5: parameter set to 1 only for ISG ovens

6: parameter set to 1 only for HACCP ovens

A: parameter modification not necessary in 6 grid models

B: set to "20" in 6 grid models

C: set to "15" in 60 Hz models

D: set to 0 on normal level 4 ovens, to "2" on FCS lev. 4 ovens

E: set to 0 on normal level 4 ovens, to "120" on FCS lev. 4 ovens