

Function Table, Switch Menu SA2 PLUS COMBI with Concentrate

1 Feeding mode	Extra-Portion: Press Arrow Left when the mixer jar is empty. Enter the quantity to be dispensed + the concentration. Press Start/Stop. Select whether the extra-portion has to be dispensed at box 1 or 2. Press „5“ to dispense the extra-portion e.g. into a bucket.				
2 Rinsing	HE with sponge $\wedge \vee$ →	cleaning? start			
	Heat exchanger $\wedge \vee$ →	cleaning? start			
	HE with hoses $\wedge \vee$ →	cleaning? start			
	Mixer $\wedge \vee$ →	cleaning? start			
	Air cleaning $\wedge \vee$ →	box selection / start			
	Settings $\wedge \vee$ →	heat exchanger $\wedge \vee$ →	automatically yes →	number cleaning processes/day →	time
		mixer $\wedge \vee$ →	automatically yes →	number cleaning processes/day	
		suction hose $\wedge \vee$ →	group $\wedge \vee$ yes →	as of 14th day of the feeding plan	
		remain. portion $\wedge \vee$ →	empty yes →	empty after 30 minutes	
		detergent $\wedge \vee$ →	g / L		
air cleaning $\wedge \vee$ →		box →	air cleaning intensity	break when calf visits box →	
	air cleaning after feeding	operating mode: summer $\wedge \vee$ →	air cleaning: cleaning water 100 %		
3 Alarms (Machine Alarms, Animal Alarms)	Machine alarms $\wedge \vee$ →	alarm type →	Delete alarms by 0/C key		
	Messages drinking / C / expiry $\wedge \vee$ →	Concentrate Warnings			
	Warn. anim., feeding $\wedge \vee$ →	<ul style="list-style-type: none"> Warning today and warning yesterday are calculated regarding to the feeding plan 3-days warning is calculated regarding to average consumption of the last 3 days 			
	Warn. anim., C $\wedge \vee$ →				
	Warn. anim., weight $\wedge \vee$ →				
	Expiry plan animals $\wedge \vee$ →				
4 Animal Verification	Feeding behaviour $\wedge \vee$ →	available drinking No. box/consumption →	cons. yesterday No. box/consumption →	breaks, no additives →	breaks with additive →
		dr. speed today →	dr. speed yesterday →		
	C1+C2 $\wedge \vee$ →	avail. / consum. →	consumption yesterday		
	C1 $\wedge \vee$ →	avail. / consum. →	consum. yesterday →	C1 of 3-days \emptyset →	dosing amount
	C2 $\wedge \vee$ →	avail. / consum. →	consum. yesterday →	C2 of 3-days \emptyset →	dosing amount
	Visits $\wedge \vee$ →	visits fed →	visits not fed →	visit with C →	visit without C
Animal scales $\wedge \vee$ →	animal weight, examine in list →		visit today →	day weight, yesterday/day before yesterday	
	Number of animals $\wedge \vee$ →	registered/available →	number of registered animals in group $\wedge \vee$		
5 Calibration	Water boiler $\wedge \vee$ →	Calibration Process			
	Water HE $\wedge \vee$ →				
	Milk $\wedge \vee$ →	1. Press Start to dispense the calibration quantity			
	MP $\wedge \vee$ →	2. Measure resp. weigh the calibration quantity			
	Concentrate $\wedge \vee$ →	3. Check whether the calibration quantity is identical to the target quantity. If not, enter the dispensed amount and repeat the calibration process.			
	Additives $\wedge \vee$ →				
Detergent $\wedge \vee$ →					
6 Animal Data	Weight/days fed $\wedge \vee$ →	weight/LWG →	days fed/reg. date →	correction days →	expiry C1/C2 plan
	Ration/day/animal $\wedge \vee$ →	feed / C →	feed/concentration →	MP/milk →	X1-4 or EL consumed → C1/C2
	Cancel registration $\wedge \vee$ →	individually →	expired animals →	all animals	
	Register $\wedge \vee$ →	available animal no. →	register		
	Register groups $\wedge \vee$ →	animal 1-999 in group $\wedge \vee$		Identification Numbers	
	Autom. registration $\wedge \vee$ →	yes/no →	group/weight/LWG	1-: without transmitter number	
	Change registration $\wedge \vee$ →	change into group $\wedge \vee$		1a: available transmitter number	
	Transmitter input $\wedge \vee$ →	animal number / transmitter number →		antenna test →	Squelch antenna
7 Deviations	Feed $\wedge \vee$ →	duration + quantity			
	Concentration $\wedge \vee$ →	duration + quantity			
	Concentrate $\wedge \vee$ →	C1 duration + quantity →		C2 duration + quantity	
	Additives $\wedge \vee$ →	duration + quantity			
8 Consumption	Milk req./consumed $\wedge \vee$ →	MP req./consumed →	X1-4 requir. + cons. / EL cons. →	C1/C2 requir. / cons.	
9 Additives	Medicine distribute $\wedge \vee$ →	animal-specific distribution/group distribution/automatic prophylaxis →		X 1-4: duration + quantity →	distribution
	EL distribute $\wedge \vee$ →	animal-specific distribution/group distribution/automatic prophylaxis →		EL: duration + quantity →	distribution
	Medicine prescription, make out $\wedge \vee$ →	select prescription 1-4 →	X1-4 g/100kg,g/day, g/L, yes/no →	distribution to all portions, 1-2 times/day → per. 1-5	
	EL prescr. make out $\wedge \vee$ →	duration + quantity in g/L →		per visit, number of days with milk →	
	Remaining portion with additive, block $\wedge \vee$ →	block yes / no			
	Additives, info $\wedge \vee$ →	application today →	application yesterday →	breaks with additive, today / yesterday	

Function Table, Keyboard Menu „10“

Operating Functions

1	Machine Data	date, time →	station no. prg.-vers.	prg. concentrate →	operating days	
2	Restricted/Ad libitum	today/ad lib yester. →	ad lib milk ratio →	ad lib concentration →	ad lib additive	
3	Milk Functions	milk functions ^ v →	milk mode →	change to MP →	milk value →	milk expelling →
			milk ratio, one heat. circ. yes / no			
		milk ratio plan ^ v →	group ^ v →	period 1 - 5 →	duration milk ratio plan + feeding plan	
4	Accustoming Aid	feeding box ^ v →	accustom at box ^ v for..... minutes →		priority warn calves / box ^	
5	Setup	concentrate ^ v →	silo ^ v available →	silo 1-4 ^ v C1/2 →	dosing code →	Squelch antenna
		set baud rate ^ v →	baud rate 19200 ^ v			
		printing ^ v →	auto print →	printing channel ^ v		
		animal scales ^ v →	animal scales box 1/2 available yes/no →		weight factor →	tare value
		interface test ^ v →	test channel 1 - 5			
		boxes ^ v →	box 1-2 available yes/no			duration draining time box 1-2
		portion ^ v →	distribution pause in seconds			mixer run time in seconds
		heat exchanger ^ v →	heat exchanger with automatic cleaning →			separate heating circuits ^ v with / without circulation pump
		detergent pump ^ v →	available yes / no			
		air cleaning ^ v →	available yes / no			
	institute ^ v →	available yes / no				

Feeding Plans

10	Feeding Plan	group ^ v →	period 1 - 5 →	duration of the plan →	plan requirement	
11	Concentration Plan	group ^ v →	period 1 - 5 →	duration concentration plan + feeding plan →	target consumption	
15	Quantity Limits	limits, group ^ v →	period 1 - 5 minimum/maximum	duration quantity limits plan + feeding plan		
		carry over ^ v →	group ^ v yes / no			
16	Entitlement Intervals	group ^ v →	first / last interval		number of entitlement intervals	

Verification Functions

20	Alarm Levels	feed ^ v →	group ^ v →	cons. / dr. speed →	break no addit. →	break with additives
		concentrate ^ v →	group ^ v →	warning suppress. →	warning today →	warn. yest. → 3-day w.
		LWG ^ v →	group ^ v →	% of animal weight	<i>This function is only displayed, in case "animal scales" have been activated in Setup.</i>	
21	List Printing	warning list ^ v →	verification list			
22	Total Consumption	milk/MP ^ v →	X1 + X2 →	X3 + X4 →	EL →	C1/C2
23	Power Failures	mains interruption ^ v →	restore →	water check →	milk check	
25	Animal scales	box 1/2 ^ v →	box 1/2 tare →	<i>This function is only displayed, in case "animal scales" have been activated in Setup.</i>		
		connection test				
		box 1/2 weigh				

Concentrate Functions

40	Concentrate 1-Plan	group ^ v →	period 1 - 5 →	duration concentrate 1-plan + feeding plan →	target consumption	
41	Concentrate 2-Plan	group ^ v →	period 1 - 5 →	duration concentrate 2-plan + feeding plan →	target consumption	
42	Quantity Limits	minimum save-up ^ v		group in % ^ v		
		maximum quantity ^ v		group in % ^ v		
		carryover ^ v		group yes/no ^ v		
44	Entitlement Intervals	group ^ v →	first / last interval		number of entitlement intervals	
45	Weaning	feed according to the plan ^ v		initial and final value in kg		
49	Connection Test	test silo 1 & 2 →	test silo 3 & 4			

Delete Functions

90	Feed Delay / Consumption	delete feed / concentrate ^ v →	delete feed delay, group →	delete feed delay, animal number →	delete consumption group →	delete consumption animal number
99	New Installation	all new ^ v →	operating data			

Abbreviations and Symbols

addit.	additive	MP	milk powder	w.	warning	as of version 00.16
avail.	available	LWG	life weight gain	warn.anim. ...	warning animals	
C/conc.	concentrate	no.	number	X 1-4	prescription 1-4	
clean.	cleaning	per.	period	yester.	yesterday	
concentrat.	concentration	presc.	prescription	Ø	average	
consum.	consumption	prg.vers.	program version	^ v	Arrow Up/Arrow Down active	
consumpt.	consumption	reg.	registration	→	Arrow Right/Arrow Left active	
dr.	drinking	remain.	remaining			
g	gram	req.	requirement			
heat.circ.	heating circuit	suppress.	suppression			
l	liter					