

INSTRUCTION

SETUP OF SOFTWARE PTA 4.00.XX

DESCRIPTION

SCOPE

This instruction is valid for

Kit No. 10002896

This version of the PTA software comply with:

Service Manual 51201 BA.

User Manual 51200 BA.

IMPORTANT!

Most SW upgrades automatically perform a resetting to Factory Defaults which in fact resets the configuration. The configuration will need some modification before the configuration is correct and up and running. Please make notes of all values prior to a software update, especially pre-heat calibration values.

KIT CONTENTS

The kit consists of:

Specification	Qty.
DISC, 3½", 1.44 MB	2
INSTRUCTION: "DOWNLOADING SOFTWARE"	1
INSTRUCTION: "SETUP OF SOFTWARE PTA 4.00.XX" (this document)	1

CHANGES/NEW FEATURES IN THIS SW EDITION

The new features mentioned below are the main differences from software version PTA 3.03.21.

REMOTE ENABLING SYSTEM SUPPORT

The software now supports the Remote Enabling System allowing you to monitor your processor from remote locations.

PLATE SIZE

Plate size detection has been improved.

TRANSPORT MOTOR

There is now support for a new type of motor with a builtin tachometer.

UPGRADE PROCEDURE

REGISTRATION OF EXISTING VALUES

IMPORTANT!

Before installation of new software it is very important to make a note of the existing configuration etc. of the processor by writing down all values of the parameters (see list of configuration parameters later). Also STATISTICS which holds accounts for filters etc. are reset.

Start up the processor and use the lists in this instruction for registration of the values.

NOTE! Some of the parameters in the lists are not available for all machine types and some are new and will be present only when new software is installed.

KEEP THIS DOCUMENT WITH THE PROCESSOR SERVICE MANUAL AS UPDATE DOCUMENTATION FOR THE NEW SOFTWARE.

THE SET-UP PROCEDURE

CAUTION! The setup procedure must only be carried out by a well qualified Service Technician who is familiar with the equipment.

IMPORTANT! If you have the Remote Enabling System installed you should perform the set-up procedure as described in the "Remote Enabling System Installation Guide" that comes with the system. Otherwise follow description below.

- Follow download procedure as described in separate instruction part no 48964 and when finished make sure to shut the processor down.
- Now turn the processor's main switch on and wait until the processor has initialized then push the stand-by button to turn it into stand-by mode.
- The display changes to show the configuration menu starting with the processor variant selection parameter (see table of configuration parameters on the next pages).

- Push SET to enter the variant parameter, then use the up/down keys to find your present processor variant and push OK to confirm.
- Choosing a variant will update the various configuration parameters to the standard settings for the selected processor variant.
Values are default Metric values. If US values are required, set UNITS to "US".
- Now use up/down keys to scroll through the various configuration parameters and change the values when necessary in order to make them match the values from the old configuration. Push SET to enter a parameter, use the up/down keys to select the proper setting and confirm pushing OK.

NOTE! It is necessary to make proper settings to at least the PROCESSOR VARIANT PARAMETER (VARIANT) before being able to exit the configuration function.

- To end the configuration push RETURN.
The processor will reconfigure and then return to OFF mode when initialized.
- Push the stand-by button to turn it into stand-by mode.
- Now enter data from the USER PARAMETERS, SERVICE PARAMETERS, AND STATISTICS PARAMETERS lists.

CONFIGURATION PARAMETERS

PARAMETER	SETTING	DESCRIPTION
VARIANT ¹⁾	VARIANT AUTOLOGIC 3850 IP 85 HD IP 135 HD IP 85 HD POLYMER IP 135 HD POLYMER IP 85 HD POLY NELA IP 85 HDN IP 135 HDN IP 85 HDZ IP 85 PN PT KPG 85 PT KPG 135 PT MCC 85 PT MCC 135 PT WLT VSP IP 85 GEN. STD.	Select the present processor variant. Choosing a variant will update the various configuration parameters to the standard settings for the selected processor variant. It is recommended to check the various configuration parameters to check if all settings reflect the current configuration.
TYPE ²⁾	D CD HD CHD PD CPD HPD CHPD DB CDB PDB CPDB	Select processor type: C = Conveyor H = Preheat section P = Prewash section D = Developer section B = Bake section Ex. CHPD = Processor equipped with a conveyor, preheat-, prewash-, and developer section.
WIDTH	85 135	Select processor width (cm)
LANGUAGE	GB D	Display text in english. Display text in german.
UNITS	METRIC US	Display values in metric units (ex. cm, °C) Display values in US-units (ex. inch, °F)
¹⁾ Will only appear after resetting to factory defaults. ²⁾ When a processor type has been selected the various menus will contain the parameters and functions necessary for this specific processor.		

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PARAMETER	SETTING	DESCRIPTION
SETTER	NONE AGFA UPC AIR 75 AURORA AUTO 3850 CACTUS C.NEWS DIAMOND DMX FasTRAK GALILEO NELA/HEID KRAUSE LOTEM LUSCHER LUXEL MERLIN MONDRIAN PLATINUM PLATEDRIV PLATERITE POLARIS TOPSETTER TRENDSET STD TIGERCAT VIKING WILDCAT	Off-line processor. Processor connected to the selected setter.
ALARM INDIC	ON/OFF	Select whether or not the processor is equipped with an external alarm lamp.
READY INDIC	ON/OFF	Select if the processor is equipped with a ready indicator lamp on front panel.
REWASH	ON/OFF	Select if the processor is equipped with a rewash slot.
H ACTIVE	ON/OFF	Select whether or not the pre-heat section must work with or without heating.
PW CIRC	ON/OFF	Select if the PREWASH section is equipped with a circulation pump.
PW BRUSH	ON/OFF	Select if the PREWASH section is equipped with a brush.
D BRUSH	ON/OFF	Select if the DEV section is equipped with a brush.
D COND	OFF/READ-OUT (R/O) /AUTO	Select your type of Conductivity Control System. NOTE! The AUTO setting requires a password. See functional and set-up description of the Conductivity Control System in the separate instruction delivered with the system.
D RPL MIN	ON/OFF	Select if the DEV repl. container is equipped with a min. level sensor.
D FILL MIN	ON/OFF	Select if the DEV fill container is equipped with a min. level sensor.
D WASTE MAX	ON/OFF	Select if the DEV waste container is equipped with a max. level sensor.
D FILL UP	ON/OFF	Select if the DEV section is equipped with a fill up pump.

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PARAMETER	SETTING	DESCRIPTION
D TAP WATER ³⁾	ON/OFF	Select if the DEV section's AutoMix system uses a flowsensor at water inlet.
D MIX CONT ³⁾	ON/OFF	Select if the DEV section's AutoMix system uses a water container and a 2-way valve for water inlet control.
D REPL FLW ³⁾	ON/OFF	Select if the DEV section's AutoMix system uses a flowsensor at developer concentrate inlet.
D FILL FLW ³⁾	ON/OFF	Select if the DEV section filling is controlled by a flow sensor.
D T ALARM	FINE/COARSE	Select whether the developer temperature adjustment range should be within $\pm 1^{\circ}\text{C}$ (FINE) or $\pm 2.5^{\circ}\text{C}$ (COARSE).
D RPL WAIT	ON/OFF	Select whether or not the "REPL WAIT DEV" alarm should occur when the processor is adding larger amounts of replenishment into the developer section.
D SMALL	ON/OFF	Select if the processor has a small developer tank (31 l / 8.2 US gal.)
W CIRC	ON/OFF	Set to ON if WASH section runs with circulation water (CW). Set to OFF if WASH section runs with tap water (TW). IMPORTANT: Set to OFF if WASH section is connected to a wash filter unit.
W BRUSH	ON/OFF	Select if the WASH section is equipped with a brush.
G CLOSED	ON/OFF	Select if the processor should run with a filled gum section.
G RPL MIN	ON/OFF	Select if the GUM repl. container is equipped with a min. level sensor.
I SNS DISPL ⁴⁾	0 - 200 cm	If input sensor is moved out of the processor use this parameter to specify the distance from the original position.
O SNS DISPL ⁴⁾	0 - 200 cm	If output sensor is moved out of the processor use this parameter to specify the distance from the original position.
READY DELAY	ON/OFF	If set to ON the below described READY DELAY function will be active. If set to OFF the processor will continuously say "READY".
READY DELAY	0 - 15 cm	Specify the distance the plate's trailing edge must travel after having left the input sensor until the processor says "READY" to the setter.
³⁾ See detailed description of the AutoMix functions and setup in "SETUP OF AUTOMIX" elsewhere in this instruction.		
⁴⁾ Setting only takes effect if processor type with conveyor is selected.		

SETUP OF AUTOMIX

The processor's AutoMix function can be set up in various ways depending on the constellation of pumps and flowsensors on the processor.

Below are described the 3 different AutoMix configurations:

Type 1:

- Flowsensor mounted at water inlet.
- Flowsensor mounted at replenish/fill-up inlet.
- Replenish pump is oscillation type.
- Fill-up pump is either oscillation type or impeller type.
- Setting of parameters in CONFIGURATION:
 - D TAPWATER -> ON
 - D MIX CONT -> OFF
 - D REPL FLW -> ON
 - D FILL FLW -> ON

Type 2:

- Flowsensor mounted at water inlet.
- Flowsensor mounted at fill-up inlet.
- Replenish pump is bellow type.
- Fill-up pump is either oscillation type or impeller type.
- Setting of parameters in CONFIGURATION:
 - D TAPWATER -> ON
 - D MIX CONT -> OFF
 - D REPL FLW -> OFF
 - D FILL FLW -> ON

Type 3:

- No flowsensors
- Water container.
- Water inlet controlled by a 2-way valve.
- Replenish, water and fill pumps are bellow type.
- Setting of parameters in CONFIGURATION:
 - D TAPWATER -> OFF
 - D MIX CONT -> ON
 - D REPL FLW -> OFF
 - D FILL FLW -> OFF

PARAMETER SETTINGS LISTS

Make notes of your current processor settings in the tables on these page to be able to make same settings later if changing the software.

NOTE! Whether or not a parameter is available depends on the processor configuration.

PARAMETER	VALUE
PROGRAM 1	
SPEED	
HEAT TEMP	
PW RPL	
PW BRUSH	
DEV TEMP	
D RPL	
D TOP	
DEV BRUSH	
W RPL	
W BRUSH	
DRY TEMP	
PAR. PLATES	
PROGRAM 2	
SPEED	
HEAT	
PW RPL	
PW BRUSH	
DEV TEMP	
D RPL	
D TOP	
DEV BRUSH	
W RPL	
W BRUSH	
DRY TEMP	
PAR. PLATES	
PROGRAM 3	
SPEED	
HEAT	
PW RPL	
PW BRUSH	
DEV TEMP	
D RPL	
D TOP	
DEV BRUSH	
W RPL	
W BRUSH	
DRY TEMP	
PAR. PLATES	

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See "SERVICE PARAMETERS" on the next page.

SERVICE PARAMETERS

PARAMETER	VALUE
CONFIG	
TYPE	
WIDTH	
LANGUAGE	
UNITS	
SETTER	
ALARM INDC.	
READY INDIC	
REWASH	
H ACTIVE	
PW CIRC	
PW BRUSH	
D BRUSH	
D COND	
D RPL MIN	
D FILL MIN	
D WASTE MAX	
D FILL UP	
D TAP WATER	
D MIX CONT	
D REPL FLW	
D FILL FLW	
D T ALARM	
D RPL WAIT	
D SMALL	
W CIRC	
W BRUSH	
G CLOSED	
G RPL MIN	
I SNS DISPL	
O SNS DISPL	
READY DELAY	
READY DELAY	
SETUP	
PLATE SIZES	
S1	
LEN=	
WID=	
PPLATE	
S2	
LEN=	
WID=	
PPLATE	
S3	
LEN=	
WID=	
PPLATE	
S4	
LEN=	
WID=	
PPLATE	

PARAMETER	VALUE
SETUP (continued)	
S5	
LEN=	
WID=	
PPLATE	
S6	
LEN=	
WID=	
PPLATE	
S7	
LEN=	
WID=	
PPLATE	
S8	
LEN=	
WID=	
PPLATE	
JOG FUNCTION	
JOG IN OFF	
JOG ACTIVE	
JOG PAUSE	
JOG SP	
CONDUCTIVITY	
REPL PAUSE	
DELTA	
DELTA -	
DELTA +	
REPL AMOUNT	
ALPH	
Tc	
GMIN	
GMAX	
INIT WAIT	
ANTIOX/REPL/FILL	
D PUMP MIN	
D STB AOX	
WA STB AOX %	
D OFF AOX	
WA OFF AOX %	
D MAN RPL	
WATER REPL %	
WATER FILL %	
D MIX FILL	
DRY STBY	
PROGRAMLOCK	
FILT.MAX	
BRUSH MAX	

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PARAMETER	VALUE
STATISTICS	
ABSCNT	
ABS	
TIME	
D FILT	
BRUSH	
CALIBRATE	
20 HeatPidKp	
21 HeatPidTi	
22 HeatPidTd	
23 HeatTpOf1	
24 HeatTpOf2	
25 HeatTpOf3	
26 HeatTpOf4	
27 HeatTpOf5	
28 HeatTpOf6	
30 D.ReplP	
CAP	
VOL	
CNT	
33 D.FilIP	
CAP	
VOL	
CNT	
35 G.CircP	
CAP	
40 D.WMixV	
CAP	
VOL	
CNT	
43 W.SpryV	
CAP	
48 PW.SprV	
CAP	
50 Coffset	
51 Cgain	
53 DWatFiVI	
54 DWatCoVI	
55 DevWatPm	

