

Operating Instructions

On-Board Computer

AMAZONE

AMALOG



MG 715
DB 550-1 GB 05.03
Printed in Germany



Before starting to operate,
please carefully read and
adhere to this operation
manual and safety advice!



Copyright © 2003 AMAZONEN-WERKE
H. DREYER GmbH & Co. KG
D-49502 Hasbergen-Gaste
Germany
All rights reserved

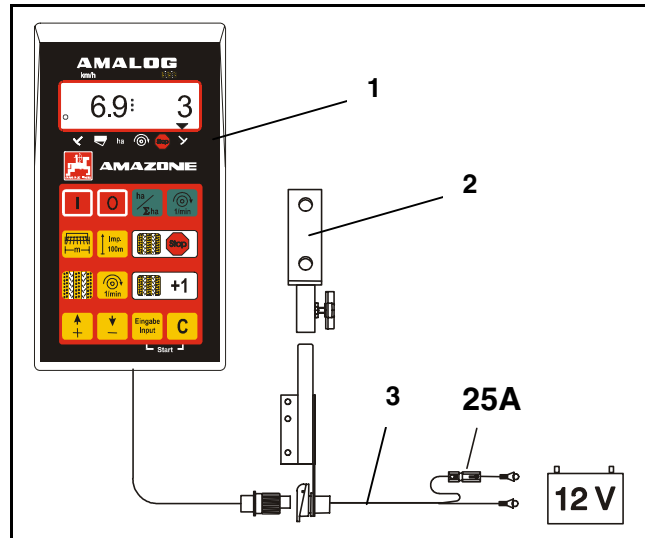
1.	On receipt of the computer	4
2.	Information about the computer	5
2.1	Range of application	5
2.2	Manufacturer	5
2.3	Conformity declaration	5
2.4	Details when making enquiries and ordering	5
2.5	Identification	5
2.6	Declined use	5
3.	Safety	6
3.1	Dangers when not adhering to safety advice	6
3.2	Qualification of operator	6
3.3	Symbols in this instruction manual	6
3.3.1	General danger symbol	6
3.3.2	Attention symbol	6
3.3.3	Hint symbol	6
3.4	Safety advice for retrofitting electric and electronic devices and/or components	6
3.5	Safety advice for repair work	7
4.	Description of product	8
4.1	AMALOG with seed drills D9, AD3, RP-AD3	8
4.2	AMALOG with seed drills AD-P, RP-AD-P	8
4.3	Functions	8
4.3.1	Operating display	9
4.4	Keypad layout	10
5.	Operation	12
5.1	AMALOG on-/off switching	12
5.2	Entering implement specific data	12
5.2.1	Mode "1" (free function)	12
5.2.2	Mode "2" (Number of track marker sensors)	13
5.2.3	Mode "3" (Select implement type)	14
5.2.4	Mode "4" (option) (Enter the period of time between the incidence of a fault and the release of the alarm)	15
5.2.5	Mode "5" (option) (Set the period of time until an order is carried out)	16
5.2.5.1	Entering the implement specific data	17
5.2.5.1.1	Calibrating the distance sensor	17
5.2.5.1.2	Enter the working width	21
5.2.5.1.3	Programming the tramline rhythm	22
5.2.6	Start of operation in the field	25
5.2.6.1	Carry out start function	25
5.2.6.2	Shifting on tramline counter	25
5.2.6.3	Preventing unintended advancing of the tramline counter, e. g. when the sowing operation is interrupted or when folding in the track markers.	26
5.2.6.4	Function of keys and their display during the sowing operation	27
5.2.6.4.1	Hectare meter	27
5.2.6.4.2	Showing the blower fan speed (only for pneumatic seed drills)	27
5.2.6.4.3	Monitoring the blower fan speed	28

1. On receipt of the computer

On receipt of the computer, please check for transport damage or whether any parts are emitting. Only immediate claims to be filed with the forwarding agency may lead to replacement.

Scope of delivery:

1. Computer
2. Console
3. Battery cable (special option NE190)



2. Information about the computer

2.1 Range of application

AMALOG is a display and monitoring device for AMAZONE seed drills.

2.2 Manufacturer

AMAZONEN-WERKE, H. Dreyer GmbH & Co. KG,
Postfach 51, D-49202 Hasbergen-Gaste/F.R.
Germany.

2.3 Conformity declaration

AMALOG fulfils the requirements of the EMV-guide
line 89/336/EC.

2.4 Details when making enquiries and ordering

When ordering spare parts indicate the serial number
of the **AMALOG**.



The safety requirements are only fulfilled when in the event of repair original AMAZONE spare parts are used. Using other parts may rule out the liability for resulting damage!

2.5 Identification

Type plate on the computer.



The type plate is of documentary value and may not be changed or disguised!

2.6 Declined use

AMALOG has exclusively been designed for the usual operation as a display- and monitoring device for agricultural machinery.

Any use other than that stipulated above is no longer regarded as designed use. The manufacturer does not accept any responsibility for damage resulting from this. Therefore, the operator himself will carry the full risk..

Under "designed use" the operator must adhere to the manufacturer's prescribed operation, maintenance and repair conditions, and exclusively use **original AMAZONE spare parts**.

AMALOG may only be operated, maintained and repaired by such persons who have been made acquainted with it and who have been advised about the dangers.

The applicable accident prevention advice as well as any further generally accepted safety-, working-, medical- and road traffic rules should be adhered to.

Claims regarding damage not having occurred on the **AMALOG** itself will be rejected. This also applies to damage due to sowing errors. Arbitrary modifications to the **AMALOG** may result in damage and therefore, the manufacturer does not accept liability for such damage.

3. Safety

This instruction manual contains basic advice which must be adhered to when mounting, operating and maintaining the machine. Ensure that this instruction manual has been read by the user/operator before starting to operate the device and that it is made readily available at all times to the user.

Please strictly observe and adhere to all safety advice given in this instruction manual.

3.1 Dangers when not adhering to safety advice

Not adhering to the safety advice given

- may result in endangering the user or other persons, the environment and/or the machine itself.
- may result in the loss of any claim for damages.

Not paying attention to the safety advice may cause the following risks:

- Danger for persons by not secured operational range.
- Failure of important functions of the machine.
- Failures of prescribed measures for maintenance and repair.
- Danger for persons by mechanical or chemical affects.
- Dangers to persons or to the environment by leaking hydraulic oil.

3.2 Qualification of operator

The implement may only be operated, maintained and repaired by persons, who are acquainted with it and have been informed of the relevant dangers.

3.3 Symbols in this instruction manual

3.3.1 General danger symbol



Not adhering to the safety advice in this instruction manual may cause danger to health and life of persons. They are identified by the general danger symbol (Safety symbol according to DIN 4844-W9)

3.3.2 Attention symbol



Attention symbols which may cause dangers for the machine and its function when not being adhered to, are identified with the Attention symbol:

3.3.3 Hint symbol



Hints regarding machine's specific particularities, which have to be adhered to for a faultless function of the machine are identified with the hint symbol:

3.4 Safety advice for retrofitting electric and electronic devices and/or components

The function of the implements' electronic components and parts may be affected by the electric-magnetic transmittance of other devices. Such affects may endanger people when the following safety advice will not be adhere to.

When retrofitting electric and electronic devices and/or components to the implement with connection to the on-board electric circuit, the user must ensure by himself that the installation will not cause any disturbance to the tractor electronic or other components.

Special attention must be paid that the retrofitted electric and electronic parts correspond to the EMV-guide line 89/336/EEG in the relevant valid edition and that they bear the CE-sign.

For retrofitting mobile communication systems (e.g. radio, telephone) the following requirements must be fulfilled:

Only install devices which have officially been authorised in your country.

Firmly install the device.

The use of portable or mobile devices inside the tractor cab is only permissible with a connection to a firmly installed external antenna.

Install the transmitter spaced apart from the tractor's electronic.

When installing the antenna ensure an appropriate installation with proper earth connection between antenna and tractor earth.

For cabling and installation as well as for the maximum permissible current supply in addition adhere to the fitting instructions of the implement manufacturer.

3.5 Safety advice for repair work



Before carrying out any repair work on the electric system or arc welding on the tractor or the mounted implement, disconnect all connections of AMALOG.

4. Description of product

4.1 AMALOG with seed drills D9, AD3, RP-AD3

AMALOG

- controls the tramlining kit and the pre emergence marker
- monitors the drive of the tramlining kit (option)
- indicates the position of the hydraulically actuated track markers
- determines the current forward speed [km/h]
- monitors the seed level inside the seed box
- as hectare counter
 - determines the finished part area [ha] and
 - stores the finished total area [ha].

4.2 AMALOG with seed drills AD-P, RP-AD-P

AMALOG

- controls the tramlining kit and the pre-emergence marker. The tramline rhythm can be programmed as desired.
- monitors the tramlining kit (option)
- determines the current forward speed [km/h]
- monitors the seed level inside the seed box
- monitors the blower fan speed. If the pre-determined wanted speed deviates by more than 10 % an audible alarm is given and the rev. speed is shown on the display t.
- as hectare counter
 - determines the finished part area [ha] and
 - stores the finished total area [ha].

AMALOG is provided with a memory and a lithium battery. All entries and calculated values remain stored for approx. 10 years, even if the on-board power supply has been switched off. They are available again for the next operation.

4.3 Functions

- AMALOG is supplied with a 6-digit display (Fig. 1/1). In operation position of the implement, the display shows
- the current forward speed (Fig. 1/2) in [km/h],
- the current position of the tramline counter (Fig. 1/3) and
- the function control elements (Fig. 1/4), e.g. operational position "right hand" or "left hand", automatic switching forward of tramline counter locked, blower fan speed (only for pneumatic seed drills), finished area or part area and re-filling the seed box.

When driving the circle (Fig. 1/5) in the display should flick. Otherwise t **AMALOG** does not receive any impulses by the sensor (area- and operational speed coverage).

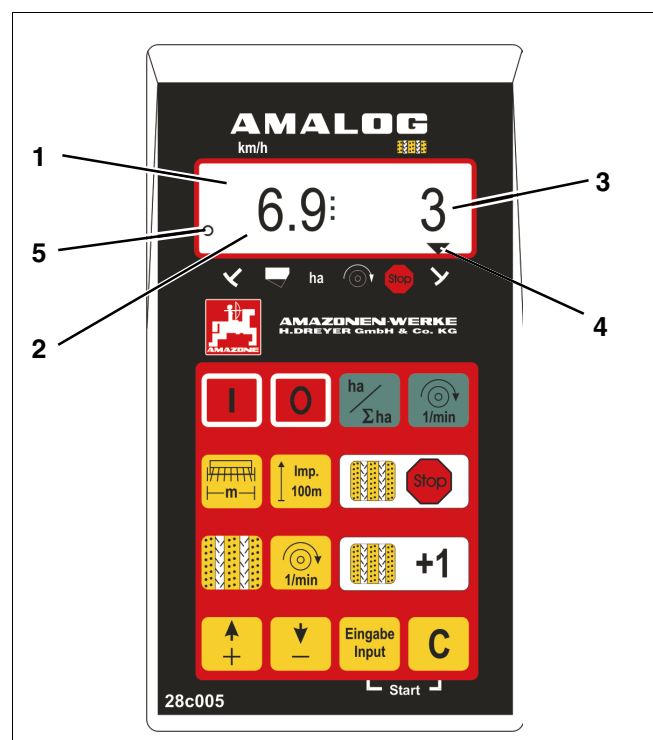
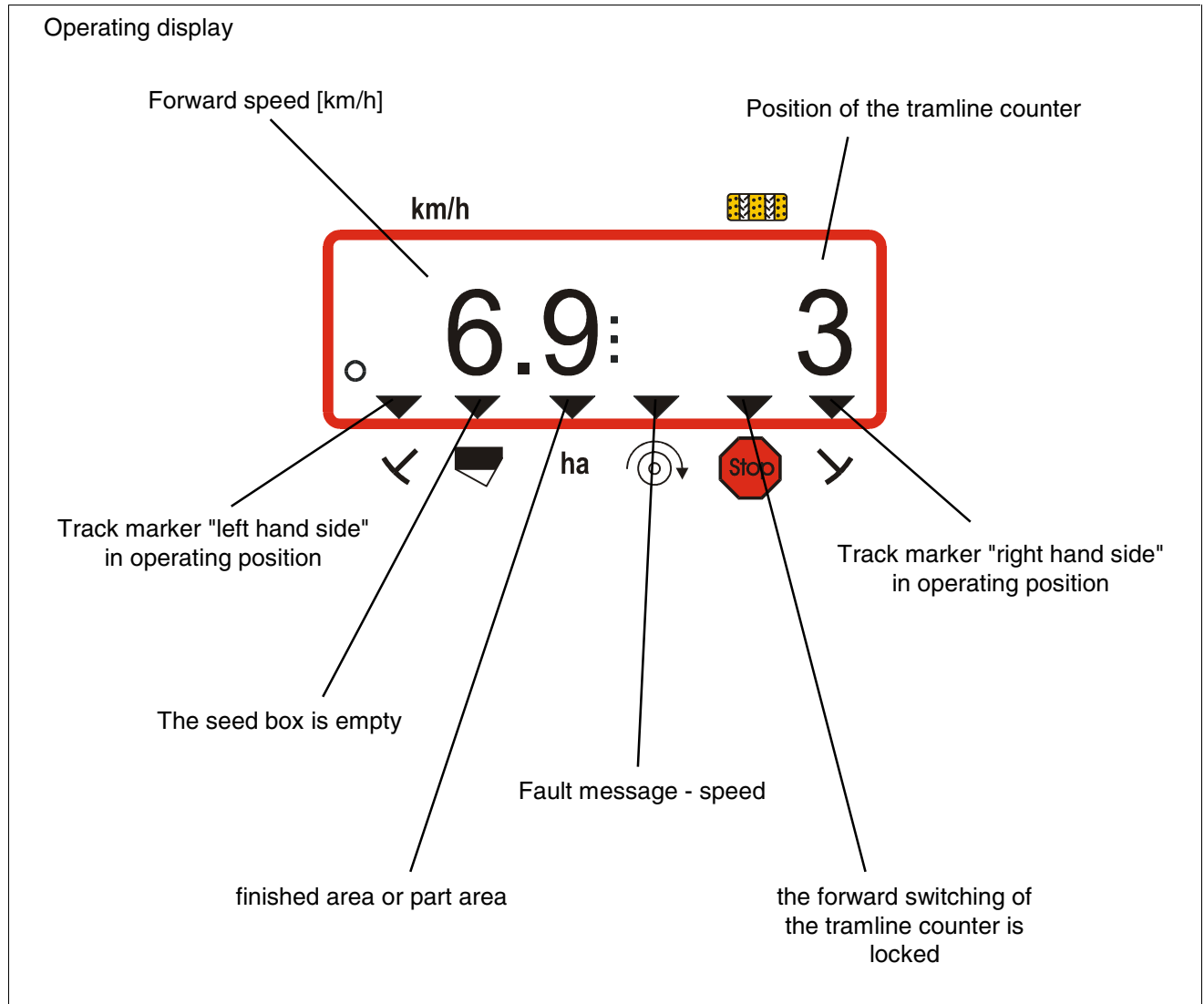


Fig. 1



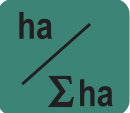






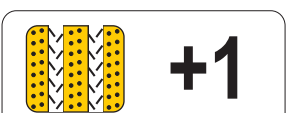
4.3.1 Operating display





As soon as **AMALOG** receives first impulses by the sensor (hectare) the "operating display" appears.



4.4 Keypad layout

Table 1: Keypad layout

Key	Keypad layout seed drill
	switch on AMALOG
	switch off AMALOG
	Display of the finished area or part area and operating display
	Indication of the blower fan speed
	Indicating or entering the working width [m]
	Indicating or entering the ground related sensor impulses over a distance of 100 m
	Pressing the key prevents the automatic counting up the tramline counter
	Indicating or entering the current switching rhythm
	Entering the blower fan desired speed
	Switching forward the tramline counter

 A yellow square button with a black upward-pointing arrow and a plus sign (+) below it.	Input key for increasing the displayed value
 A yellow square button with a black downward-pointing arrow and a minus sign (-) below it.	Input key for decreasing the displayed value
 A yellow square button with the text "Eingabe" on the top line and "Input" on the bottom line in black.	Key used to confirm all entries
 A yellow square button with a large black letter "C" in the center.	Correction key

5. Operation

5.1 AMALOG on-/off switching

By pressing key  AMALOG is switched on and by pressing key  it is switched off.





When switching on, the display shows the creation date of the computer program for some seconds.





Whenever the supply voltage drops to below 10 volts, e. g. when starting the tractor, the computer automatically switches off. It has to be switched on again as described above.

5.2 Entering implement specific data


The implement specific entering values are dialled

- with the keys  or  or determined
- by a calibration procedure.



By the first pressure onto keys  or  the display jumps into the desired direction by one step forward (+) or backward (-). By repeated pressure onto the same key the display continues to run until the key is released.



All entering via the keys and all calibration procedures must always be confirmed by pressing key  and stored this way..






Before starting to operate check all implement specific entered data!



Already entered implement specific data remain stored.

5.2.1 Mode "1" (free function)




Under mode "1" always dial the value "01".

- Press key  hold and simultaneously press key  to unlock the entering "Mode 1".
- Press key  (if necessary press repeatedly) and dial Mode "1".

Display after having dialled Mode "1"



The first figure shows the dialled Mode "1", the second figure the coding "01".

- Via the keys  or  dial the coding "01" on the display.
- Press key  to store the dialled value "01" and to secure against unintended change.

5.2.2 Mode "2" (Number of track marker sensors)

In **Modus "2"** dial with how many track marker sensors the seed drill is equipped.

"00" = 2 Sensors

"01" = 1 Sensor

"02" to "99" = without sensor.

The time is selected from stop to on-going counting of the tramline counter.

On seed drills without sensor the tramline counter is automatically advanced when the tramline counter does not send impulses any more and the pre-selected time has expired.




Whilst a brief stop within the selected time the tramline counter does not go on counting.

Seed drill with one track marker sensor an the hydraulic valve



Seed drill with two track marker sensors






- Press key  hold an simultaneously press key
-  to unlock this way the entering Mode "2".
- Press key  (if necessary confirm repeatedly) and dial Mode "2".

Display after having dialled Mode "2"



The first figure shows the dialled Mode "2", the second figure "00" means that the seed drill is equipped with two track marker sensors




- Via the keys  or  dial the coding "00", "01" or "02" to "99" on the display.
- Press key  to store the dialled value e. g. "00" and to secure against unintended change.

Seed drill with one track marker sensor on the marker change

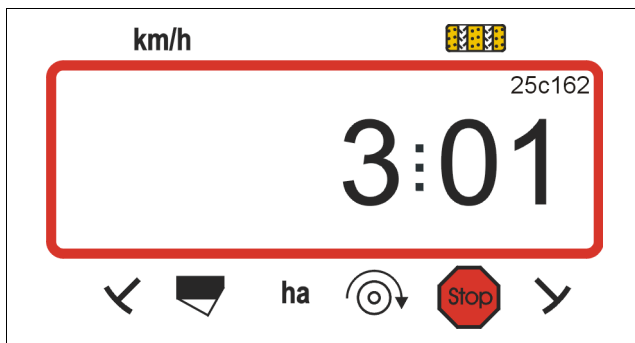


5.2.3 Mode "3" (Select implement type)




Under **Mode "3"** select the implement type.

- "00" = Cam wheel seed drill and
 - "01" = pneumatic seed drill
- Press key  hold and simultaneously press key  to unlock the input "Mode 3".
- Press key  (if necessary press repeatedly) and select Mode "3".

Display after having selected Mode "3"



The first figure (3) shows the chosen Mode "3", the second figure (01) the connected pneumatic seed drill.

- Via the keys  or  select the coding "00" or "01" on the display.
- Press key  to store the selected value, e.g. and to secure against unintended change.

5.2.4 Mode "4" (option) (Enter the period of time between the incidence of a fault and the release of the alarm)

In Mode "4" enter the period of time between the incidence of a fault on the tramlining kit or the counter shaft and the release of the alarm.




In the factory the figures "00" (Fig. 2) have been set.

When "00" is set the monitoring is switched off.

On conventional seed drills set 22 seconds.

On pneumatic seed drills set 10 seconds.

For setting the period of time

- Press key  keep pressed and simultaneously press key



in order to unlock the mode entering.



Press  repeatedly until

the display mode "4" (Fig. 2) appears.



Fig. 2

The first figure shows the selected mode "4", the second figure shows the period of time (e.g. 22 sec., see Fig. 3) between the incidence of a fault on the tramlining kit or the counter shaft and the release of the alarm.

- With the aid of the keys  or 

the period of time, e.g. from 22 sec. to 10 sec. can be set.

- Press key  and store the figure.



Fig. 3

In case of a fault on the tramline kit an audible alarm sounds and the display (Fig. 4) appears.

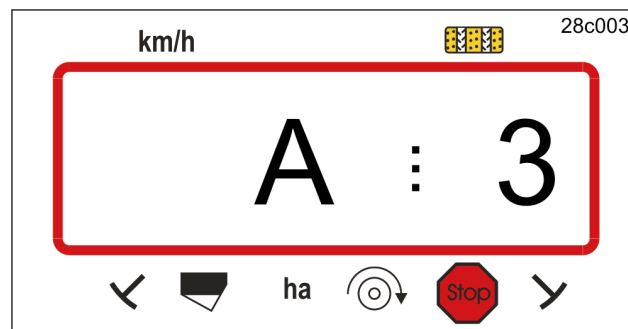


Fig. 4

5.2.5 Mode "5" (option) (Set the period of time until an order is carried out)

In mode "5" set the period of time which may pass, e.g. on conventional seed drills, from the moment of the order to create tramlines until the standstill of the counter shaft without releasing an alarm.




In the factory 0 seconds (00) have been set.

For conventional seed drills, please set 22 seconds.

For pneumatic seed drills set 10 seconds.

For setting the period of time

- Press key  keep pressed and simultaneously press key



in order to

unlock the mode entering.



Press key  repeatedly until

the display mode "5" (Fig. 5) appears.



Fig. 5

The first figure shows the selected mode "5", the second figure shows the period of time (e.g. 22 sec., Fig. 6) which may pass, e.g. on conventional seed drills, from the moment of the order to create tramlines until the standstill of the counter shaft without releasing an alarm.

- With the aid of the keys  or 

the period of time from e.g. 22 sec. to 10 sec. can be set.

- Press key  to store the figure.

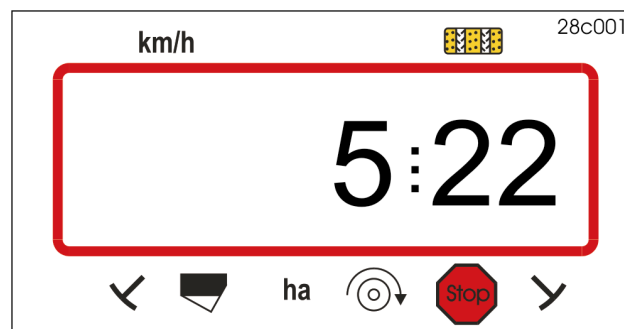


Fig. 6

In case of a fault on the tramline kit an audible alarm sounds and the display (Fig. 7) appears.

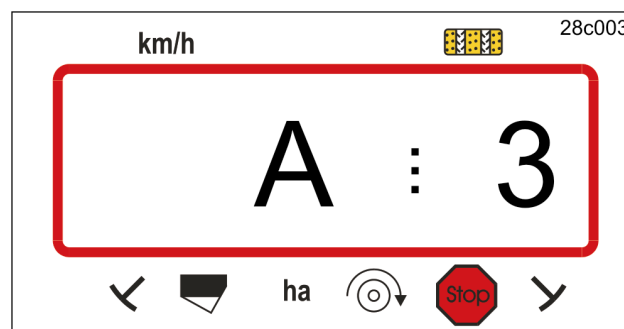


Fig. 7

5.2.5.1 Entering the implement specific data

5.2.5.1.1 Calibrating the distance sensor

In order to enable **AMALOG** to determine the actual forward speed, it requires the value "Imp./100m" which the hectare sensor sends out to **AMALOG** when driving a previously measured and marked length of 100 m.



The calibration figure "Imp./100m" may not be less than "250", as otherwise **AMALOG** does not function in the prescribed way..

There are two possibilities to enter the calibration figure "Imp./100m":

- the calibration figure "Imp./100m" is known and is dialled via the key pad.
- the calibration value "Imp./100m" is not known and is determined by driving a calibration distance.




In case of deviating soil types we recommend to determine the calibration figure by driving a calibration distance.


1. The calibration figure "Imp./100m" is known



The calibration value "Imp./100m" depends on

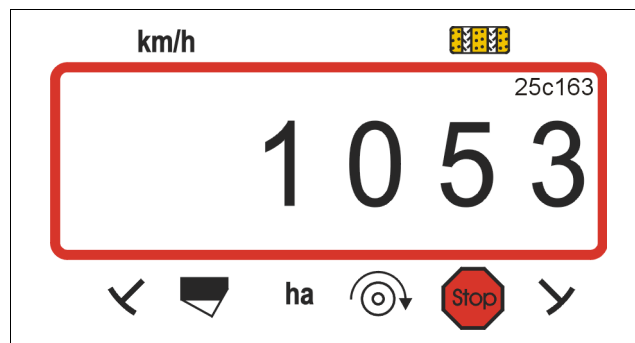
- the seed drill type used
- the place the sensor has been fixed to
- the prevailing soil conditions.



- Press  key whilst the implement is not moving.

- Take the known calibration figure "Imp./100m" from Table 2 and dial with the keys  or



Display of the dialled calibration value



- Press  and this way store the dialled calibration figure.
- Press  once again and check the stored calibration figure. On the display now the dialled calibration figure should show up.




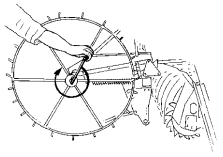
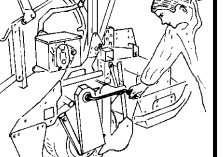
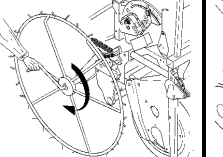
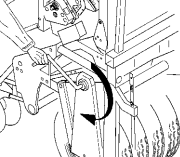
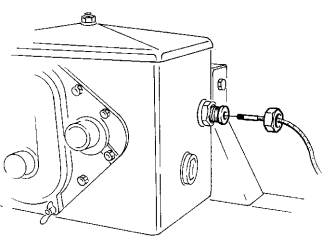

The calibration figures as stated in table 2 are mean figures determined in practice.





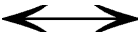
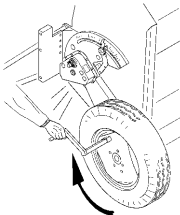
In case of deviations between the displayed area determined by **AMALOG** and the actually worked area newly determine the calibration figure by driving along a calibration distance of 100 m. (for this, please refer to para. 5.2.5.1.1 Item 2).

Table 2: Calibration figure "Imp./100m",
for seed drills AD-P02, RP-AD-P02, AD03 and RP-AD03.

The mean values determined in practice depend on the type of seed drill, the place the sensor has been fixed to and the relevant crank turns for the calibration test.

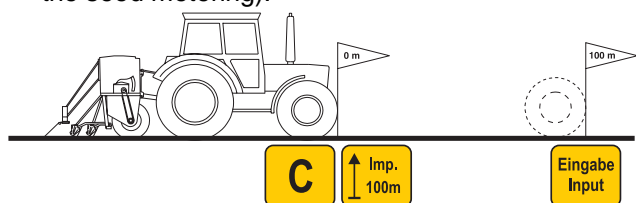
				
	pneumatic Pack Top – seed drills	pneumatic tyre packer Pack Top- seed drills	Pack Top- seed drills	Tyre packer Pack Top- seed drills
	AD-P02	RP-AD-P02	AD03	RP-AD03
	crank turns			
working- width [m]	on the star wheel Ø 1,18	on the intermediate drive	on the star wheel	on the intermediate drive
↔	1/40 ha			
2,5	27,0	59,0	27,0	59,0
3,0	22,5	49,0	22,5	49,0
4,0	17,0	37,0	17,0	37,0
4,5	15,0	33,0	15,0	33,0
Sensor- fixing on gearbox				
AMALOG- Impulses / 100 m	1053	1175	617	672

- D9 Super and D9 Special

  Tyres	working width [m] 	 D9 Super, D9 Special	AMALOG Impuls / 100m (mean value)
		Crank- turns on the wheel	
		1/40 ha	
6.00 - 16	2,5	46,0	740
	3,0	38,5	
10.0/75 - 15	3,0	37,0	711
	4,0	28,0	
31x15.5 – 15 Mitas	3,0	37,0	711
	4,0	28,0	

2. The value "Imp./100m" is not known

- Measure accurately a calibration distance of 100 m in the field. Mark the start- and ending point of the calibration distance.
- Bring the vehicle into starting position and the seed drill into working position (perhaps interrupt the seed metering).

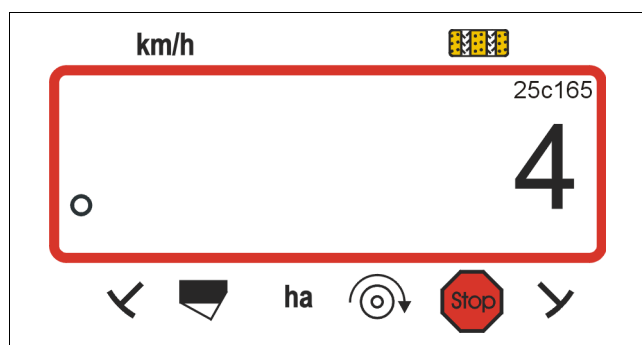


- Press key **C** and hold it by simultaneously pressing key **Imp. 100m**, the figure 1800 will appear.
- Drive accurately along the calibration distance from the starting- to the end point (when starting to move, the counter returns to "1") . Hereby the display shows the continuously determined impulses.



During the calibration run do not press any key..

Display during the calibration test



- Stop after 100m. On the display now the number of impulses (e. g. 1005) is shown which had been determined while travelling the calibration distance Auf (100m).
- Press key **Eingabe Input** and this way store the displayed, determined calibration figure (Imp./100m).
- Press key **Imp. 100m** once again and check the stored calibration figure. The display should now show the determined calibration figure. e. g. 1005 Imp./100m.

Display of the determined calibration figure



- Enter the determined calibration figure into table 3.

Table 3: Ground dependent calibration figure "Imp./100m"

Type of soil	Impulses/100m	number of crank turns
soft soil		
medium soil		
hard soil		



If the calibration figure has been determined by travelling a calibration distance, definitely convert accordingly the necessary numbers of crank turns mentioned in table 2.

3. Converting the number of crank turns

Example:

Type of seed drill:	AD-P02
Working width:	3 m
Imp./100m (actual):	1005
Imp./100m (table 2):	1053
Number of crank turns (table 2):	22,5
Number of crank turns (actual):	?

crank turns (actual)=crank turns (table 2) x conversion factor




Conversion factor =	Imp./100m (actual)
	Imp./100m (table 2)

$$\text{Conversion factor} = \frac{1005}{1053} = 0,95$$

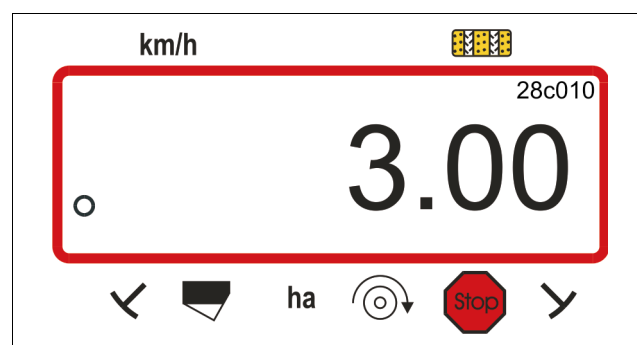
$$\text{Number of crank turns (actual)} = 22,5 \times 0,95 = 21,4$$



5.2.5.1.2 Enter the working width

For determining the worked areas **AMALOG** requires the information of the working width. To enable it enter the working width as follows:

- Press key 
- Dial the desired working width [m] by pressing keys  or , e. g. "3.00" for 3 m working width.

Display working width



- Press key  and store the selected value.
- Press key  once again and check stored value. The display must not show the chosen value, e. g. "3.00".

5.2.5.1.3 Programming the tramline rhythm

The spacing of the tramlines depends on the working width of the seed drill and of the later used machinery such as, e. g.

- fertiliser broadcaster and/or
- field sprayer.

Depending on the working widths of those machinery it is necessary to be able to create tramlines in varying spacings to one another.

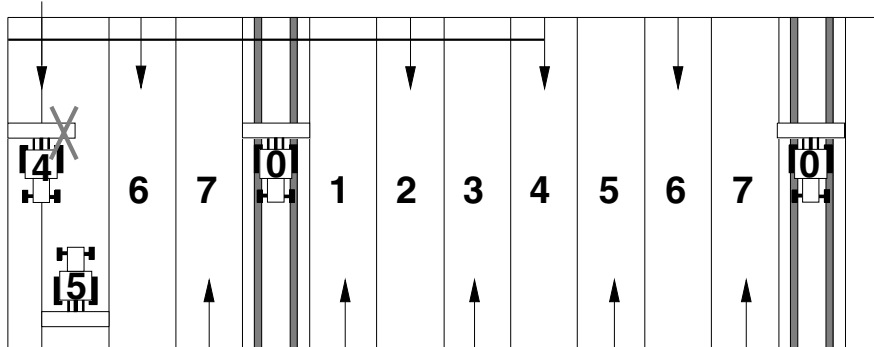
The various tramline systems are described in the "seed drill's" instruction book.


Example:

Seed drill: **3m** working width
 Fertiliser broadcaster/field sprayer: **24m** working width = **24m** tramline spacing

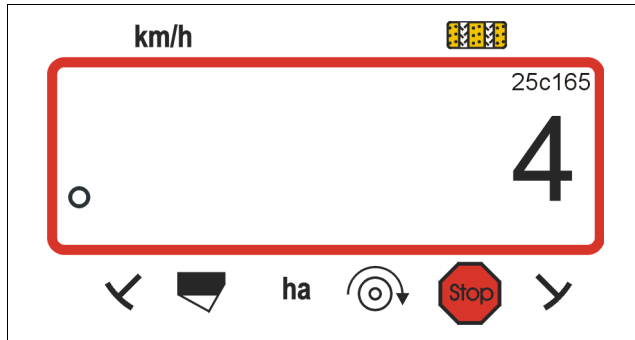
- Please look up the chapter "metering wheel-tramlining control" of the seed drill's instruction book

Table 4: Excerpt of the instruction book "seed drill"




A	B	C	D
START			
2,5 m 3,0 m 4,0 m	20 m 24 m 32 m	8	
A Working width of the seed drill	B Tramline spacing	C Control-rhythm	D Tramline counter, controlled and displayed by AMALOG

- Look up in the mentioned tables the line in which the seed drill working width (**3 m**) and the tramline spacing (**24 m**) are mentioned side by side.
- Read off the control rhythm "**8**" (here in table 5).
- Press key  and the display shows the actual control rhythm..

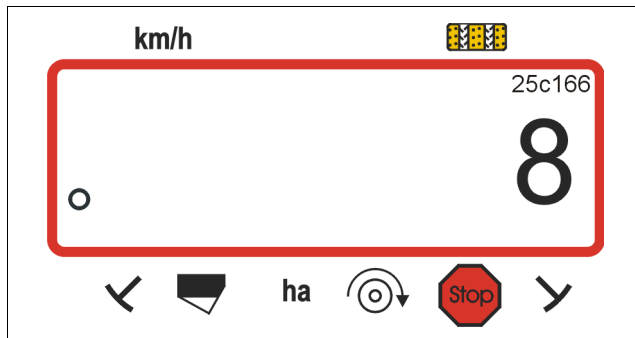
Display of actual control rhythm and tramline counter



The figure (4) the control rhythm stored up to now.

- Pre-select the required control rhythm via the keys  or  (e.g. 8) .
- Press key  and store the pre-selected value (e.g. "8"). Thereafter the following display is shown.

Display with the newly entered control rhythm



 The control rhythms provided by AMALOG are mentioned in table 5.

Tabelle 5: Possible tramline rhythms

Control rhythm	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Tramline counter, controlled and displayed by the on-board computer	0	0	0	0	0	0	0	0	0	1	1	0	0	0
	1	0	1	1	1	1	1	1	1	2	0	1	1	1
		1	2	2	2	2	2	2	2	3	3	2	2	2
		2		3	3	3	3	3	3	0	4	3	3	3
					4	4	4	4	4	5	5	4	4	4
						5	5	5	5	6	6	5	5	5
							6	6	6	0	7	6	6	6
								7	7	8	8	7	7	7
									8	9	0	8	8	8
										10	10	9	9	9
												10	10	10
												11	11	11
													12	12
														13

Control rhythm	15*	16	17	20	21	22	23	26						
Tramline counter, controlled and displayed by the on-board computer	1	0	0	0	0	0	0	0						
	2	1	1	1	0	0	0	1						
	3	2	2	2	1	1	1	2						
	4	3	3	3	2	2	2	3						
	5	4	4	4	3	3	3	4						
	6	5	5	5	4	4	4	5						
	7	6	6	6		5	5	6						
	8	7	7	7		6	6	7						
	9	8	8	8			7	8						
	10	9	9	9			8	9						
	11	10	10					10						
	12	11	11											
	13	12	12											
	14	13	13											
	15	14	14											
		15	15											
			16											

* No tramlines are created



5.2.6 Start of operation in the field



Enter all data as described before.

5.2.6.1 Carry out start function

Prior to operation carry out the "start function" and the implement is ready for operation. For this

- Press key  hold it pressed and simultaneously press key .



The memory for the part area coverage hectare meter returns to the "0".



As soon as the hectare sensor sends impulses the display changes into the operating display. The actual forward speed [km/h] is shown and the actual position of the tramline counter.




Before starting the sowing operation check the position of the tramline counter (please refer to para. 5.2.6.2).

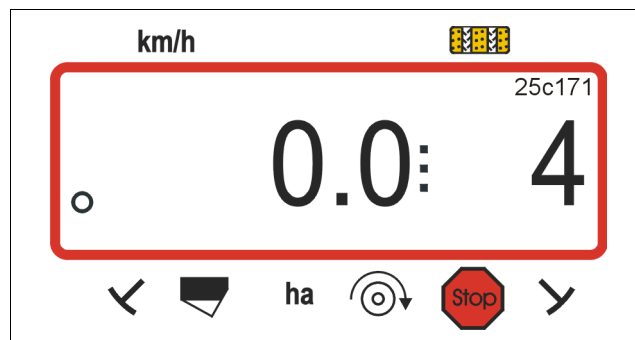


A honk signal sounds for every track marker change..

5.2.6.2 Shifting on tramline counter

- For the correct creation of tramlines the tramline counter should be advanced prior to beginning the operation via key  +1 and select this way the figure, which under the word "START" is shown (for this please refer to para. 5.2.5.1.3), e.g. "4".

Display when advancing the tramline counter stationary



The hydraulically actuated marker change over for the markers is coupled with the sensor for the tramlining control. Pay attention that the automatic marker change over lowers the desired marker disc when the tramline counter is set on the correct figure. If necessary, shift the automatic marker once more.

Advancing the tramline counter is done on seed drills

- **with** markers via the hydraulically actuated automatic marker change over. The necessary information for advancing **AMALOG** receives when changing the markers over from the sensor which is coupled to the automatic marker change over.
- **without** marker change over as soon as the forward speed sensor (gearbox sensor) does not supply any impulses any more, e. g. when lifting the seed drill at the headlands but also when stopping in the middle of a field (see para. 5.2.4.3).

5.2.6.3 Preventing unintended advancing of the tramline counter, e. g. when the sowing operation is interrupted or when folding in the track markers.

If it is necessary to **interrupt** the **sowing operation** with seed drills **without** track markers

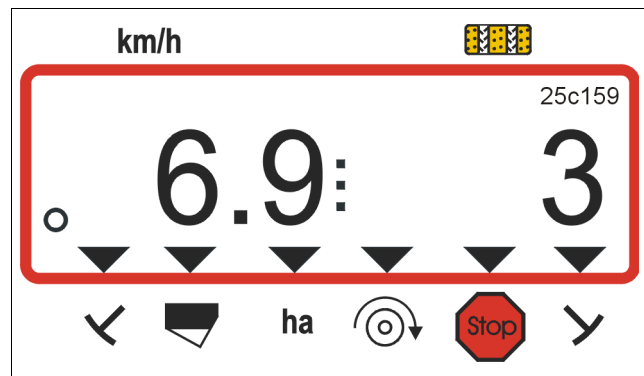
- when stopping in the middle of the field,
- when lifting the seed drill (e.g. to give way to obstacles)

or if it is necessary with seed drills **with** track markers **to fold in the track markers**, e.g. at obstacles

the advancing of the tramline counter must be prevented.

For this press key   **prior to interrupting the sowing operation or prior to folding in the track markers** and thus prevent the advancing of the tramline counter.



Display after having pressed the "Stop" key



After having pressed key



the tramline counter (3) flicks in the operational display and indicates that the advancing of the tramline counter has been locked.


- Immediately after having continued the sowing operation or after having folded down the track markers again press key  , so that the tramline counter stops flicking in the operational display.

5.2.6.4 Function of keys and their display during the sowing operation

By pressing one of the following function keys the desired value will be displayed for approx. 10 seconds. Thereafter, the computer automatically returns into the "operational display".

5.2.6.4.1 Hectare meter

1. Hectare meter – covered part area

After **one time** pressing key  the worked part area in [ha] is displayed which has been operated on after having released the "start function".



Only the worked area will be determined during which the implement had been in operating position.

Display after **one time** pressing the key

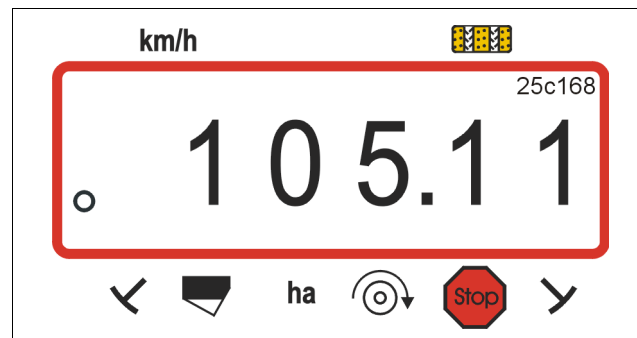



2. Hectare meter – total area

After pressing key  **twice** the total area in [ha] is displayed.

This counter cannot be erased.

Display after pressing the key twice

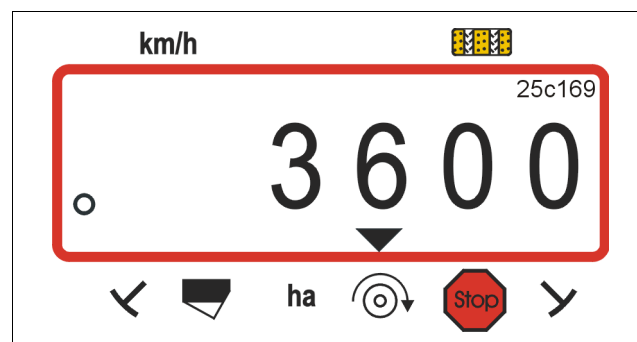


After **three times** pressing key  the operational display appears again.

5.2.6.4.2 Showing the blower fan speed (only for pneumatic seed drills)

After pressing key  the actual blower fan speed is shown.

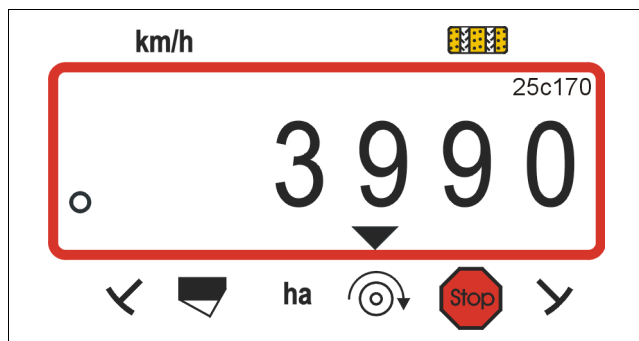
Display after pressing the key



5.2.6.4.3 Monitoring the blower fan speed

In dependence to the pre-selected wanted speed, **AMALOG** monitors the blower fan drive speed. If the nominal speed then is exceeded or undercut by more than 10 % an audible signal is released and in the display the black triangle above the R.P.M. symbol appears.

Display when exceeding of undercutting the nominal speed







The rev.-monitoring is only active in operational position






After ending the rev-speed monitoring it should be switched off again.

Entering the nominal speed

- Press key  (yellow). The pre-set nominal speed will appear on the display.
- Change the nominal speed accordingly via the keys  or .
- Press key  and store the selected nominal

Switching off the rev-speed monitoring

- Press key  (yellow). The pre-set nominal speed appears on the display.
- Select the nominal speed "0" via the keys .
- Press key  and store "0" as the new nominal speed.





AMAZONEN-WERKE

H. DREYER GmbH & Co. KG

Postfach 51
D-49202 Hasbergen-Gaste
Germany

Tel.: ++49 (0) 54 05 50 1-0
Telefax: ++49 (0) 54 05 50 11 93
e-mail: amazone@amazone.de
http:// www.amazone.de

D-27794 Hude



D-04249 Leipzig



F-57602 Forbach
