Art. Nr. 14297

PROTECHNA HERBST GMBH & CO KG
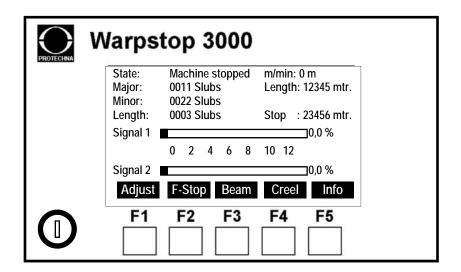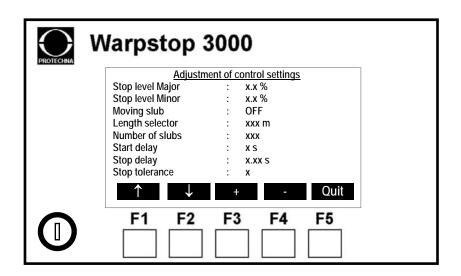
Additional instructions for the MML added feature at WARPSTOP 3020 DUO devices

On special request, it is possible to add the Major/Minor/Length Selector function (MML) to the WARPSTOP 3020 DUO devices. This does not change the basic functions of the WARPSTOP 3020 DUO devices. The operational steps are identical with the instruction manual on hand. Following, only the displays and settings, which differ from the instruction manual, are described.

Warpstop 3000

State:	Machine stopped	m/min: 0 m
Major:	0011 Slubs	Length: 12345 mtr.
Minor:	0022 Slubs	
Length:	0003 Slubs	Stop : 23456 mtr.

Signal 1 ▭▬▬▬▬▬▬▬▬▬▬ 0,0 %

0   2   4   6   8   10   12

Signal 2 ▭▬▬▬▬▬▬▬▬▬▬ 0,0 %

| Adjust | F-Stop | Beam | Creel | Info |

| F1 | F2 | F3 | F4 | F5 |

Operation Menu

Warpstop 3000

Adjustment of control settings

Stop level Major	:	x.x %
Stop level Minor	:	x.x %
Moving slub	:	OFF
Length selector	:	xxx m
Number of slubs	:	xxx
Start delay	:	x s
Stop delay	:	x.xx s
Stop tolerance	:	x

| ↑ | ↓ | + | - | Quit |

| F1 | F2 | F3 | F4 | F5 |

Setting Menu

Switching Level (Sensitivity) for the Major Channel

The setting of the switching level for this channel corresponds to the setting of the normal stop level (sensitivity) of the Warpstop 3020 DUO device.

Switching Level (Sensitivity) for the Minor Channel

This special type of the surveilance device has the possibility to set a separate switching level for counting small slubs, without stopping the machine.

If the LCD screen is still displaying the operation menu, then please switch to the setting menu by pressing the key **F1 (Adjust)**. The setting menu may be safeguarded with a code number. The code number is: **4 5 2 1 3**.

Press the key **arrow up** or **arrow down** until the value next to the line **Stop level Minor** is flashing. Then set the required switching level, using the keys **(+)** or **(-)**.

⚠ Please make sure that the sensitivity value for the Minor channel is set lower than the value for the Major channel.

Please make sure that the sensitivity value for the Minor channel is set higher than that value which is displayed as the basic noise level.

If you do not wish to carry out any further settings, please press the key **Quit**. The display at the LCD screen will now change back to the operational menu.

Switching Level (Sensitivity) for the Length Selector Function

A setting of the switching level for this channel is not necessary since this switching level is coupled with the Minor channel.

Length Setting for Length Selector

This setting determines the length on which a pre-set number of slubs are detected, before the machine is stopped.

If the LCD screen is still displaying the operation menu, then please switch to the setting menu by pressing the key **F1 (Adjust)**. The setting menu may be safeguarded with a code number. The code number is: **4 5 2 1 3**.

Press the key **arrow up** or **arrow down** until the value next to the line **Length Selector** is flashing. Then set the required length, using the keys **(+)** or **(-)**. The length can be set in the range between 0 m (Length Selector funtion switched off) and 150 m (in 1 m steps).

If you do not wish to carry out any further settings, please press the key **Quit**. The display at the LCD screen will now change back to the operational menu.

i The Length Selector function can be switched off by entering the value **0 m** for the length.

Number of Slubs

This setting determines the number (amount) of slubs which have to be detected on a pre-set length, before the machine is stopped.

If the LCD screen is still displaying the operation menu, then please switch to the setting menu by pressing the key **F1 (Adjust)**. The setting menu may be safeguarded with a code number. The code number is: **4 5 2 1 3**.

Press the key **arrow up** or **arrow down** until the value next to the line **Number of Slubs** is flashing. Then set the required amount, using the keys **(+)** or **(-)**. The number of slubs can be set in the range between 2 and 50.

If you do not wish to carry out any further settings, please press the key **Quit**. The display at the LCD screen will now change back to the operational menu.