TRANSLATION OF THE ORIGINAL VERSION

CE

PANHANS
QUALITÄT SEIT 1918

Operating Manual

TELE-DIGIT - Digital Cross-Cut Fence

for PANHANS Sliding Table Saws 690 Series and Type V91

Type:	**TELE-DIGIT**
For Sliding Table Saws:	**690|100** **690|200** **V91**
Article No.:	**4167**

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Revisions

Revision	Autor	Revision	Date
0	AG	German original translated	17.02.2022

1 Functional Description

Figure 1: TELE-DIGIT

The Tele-Digit is an optional cross-cut fence for PANHANS sliding table saws that is used instead of the standard cross-cut fence.

A separate measuring system is integrated for each of the two flip stops. This allows two separate settings of both flip stops.

The two stop positions are visualized via a wireless digital display. Dust-insensitive magnetic measuring systems with non-contact scanning are used to determine the position.

1.1 Features

- Two non-contact, dust-insensitive magnetic measuring systems for separate position measurement for each flip stop
- Wireless digital indicator (0.1 mm) with battery operation
- Cutting lengths up to 3000 mm possible

2 Installation

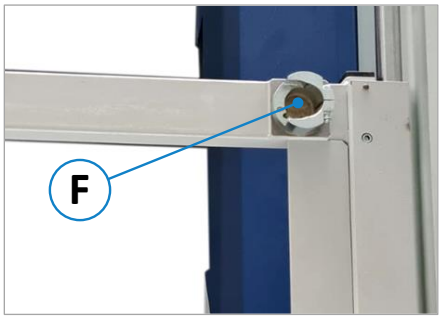

Figure 2: Fixing points on the cross slide

The Tele-Digit unit is fixed for 90° cuts completely without tools via the fixing points (**F**) of the cross slide at the desired position (left or right on the cross slide).

For angle and mitre cuts in combination with the optional mitre fences Super Gehrfix I or II, the Tele-Digit cross-cut fence is fixed in the center of the cross slide. For more information on the Super Gehrfix I and II, refer to the operating manual of your machine.

3 Components

3.1 Cross-Cut Fence

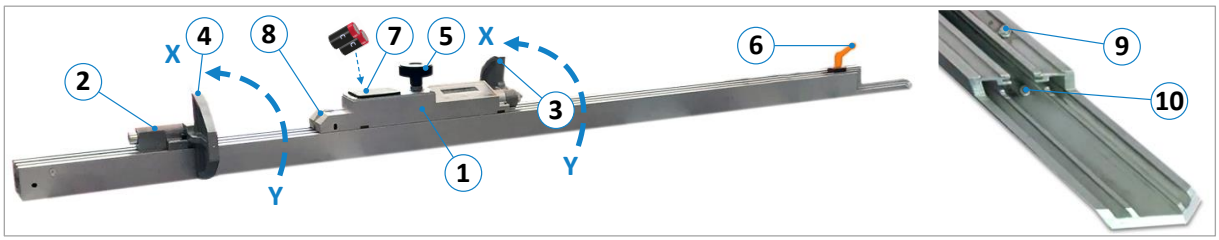

Figure 3: Tele-Digit components

No.	Description	No.	Description
1	Slider	**6**	Clamping lever “Pull-out”
2	Pull-out	**7**	Cover for battery compartment
3	Flip stop “Slider” ⩘	**8**	Fine adjustment wheel
4	Flip stop “Pull-out” ⩗	**9**	End stop screw “Slider” ⩗
5	Clamping screw “Slider”	**10**	End stop screw “Pull-out” ⩘

3.2 Digital Indicator

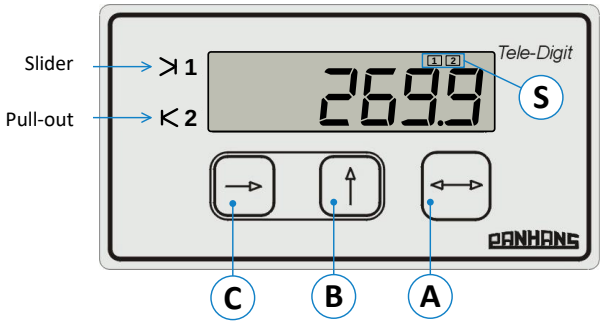

Figure 4: Digital indicator

Pos.	Description
A	Switchover Slider or Pull-out
B	Function key (depending on mode)
C	Function key (depending on mode)
S	Symbols Slider 1 / Pull-out 2 active

4 Length Measurement Switching

Switching between the two length measurements **1** (slider) and **2** (pull-out) is done with button **A**.
→ The currently active length measurement is shown in the top line of the LCD display.

5 Calibrate Tele-Digit

- Move the pull-out (**3**) all the way to the right against the end stop screw (**10**) and clamp it with lever (**6**).
- Move slider (**1**) all the way to the right against end stop screw (**9**) and clamp with clamping screw (**5**).
- Open battery compartment (**7**) and remove one of the batteries (power supply off).
- Now reinsert the battery (power supply back on).
  → The system now automatically calibrates itself and the stored reference dimensions appear again.
- The calibration procedure is completed.

For checking purposes, you can now perform test cuts for both flip stops at any position and check the cut dimensions for consistency. If there are any dimensional deviations, the reference values for the flip stop positions must be redefined (procedure see chapter ⇨ 7).

6 Battery Change

The indicator is powered by two 1.5 V size C batteries.

⚠	***Fire, explosion and burn hazard!*** *Never recharge batteries or expose them to temperatures above 85° C. Please dispose of the used batteries properly.*

- Move the pull-out (**3**) all the way to the right against the end stop screw (**10**) and clamp it with lever (**6**).
- Move slider (**1**) all the way to the right against end stop screw (**9**) and clamp with clamping screw (**5**).
- The display now shows the stored reference dimensions for the end stop positions of both flip stops. Slider/pull-out switchover is performed with button **A**) → Make a note of these two values.

☝	***The slider and the pull-out must not be moved during the battery change. Otherwise the dimensions will change and both flip stops will have to be recalibrated!***

- Open the battery compartment (**7**) shown in ⇨ Figure 3 and replace the two batteries.
  → After the battery change, the unit automatically switches back on.
  → The indicator calibrates itself to the stored reference dimensions for the end stop positions.
  → The stored reference dimensions for the two end stop positions appear again.
- If the end stop positions deviate from the values before the battery was changed, the unit must be recalibrated (procedure see following chapter ⇨ see chapter ⇨ 7).

7 Set & Change Reference Dimensions

The reference dimensions are usually determined at the end stop positions (9) and (10) at the factory and are stored in the unit. To redefine or change them, proceed as follows:

- Move slider (**1**) all the way to the right against end stop screw (**9**) and clamp with clamping screw (**5**).
- Move the pull-out (**2**) all the way to the right against the end stop screw (**10**) and clamp it with lever (**6**).

7.1 Set Reference Dimension for Slider

- Move flip stop (**3**) to position X for slider (**1**) (see ⇨ Figure 3)
- Measure the distance between the saw blade and the flip stop (**2**) to the nearest 0.1 mm.

Enter measured dimension:

- Select the "**slider**" with button **A** (see ⇨ Figure 4):
  → The symbol (**S**) for the active slider (**1**) appears in the top line of the display.
- Press buttons **C** + **B** simultaneously
  → "**oFS**" for "offset" appears
- Press button **C** once
  → The stored reference dimension appears and the currently changeable digit flashes.

Note: If a minus sign is flashing here, then first switch to + with button **B**,
so that the minus sign is hidden (+ is not shown in the display).

- Select the digit to be changed with button **C** → The 2nd digit of the display flashes.
- Now set the desired numerical value by pressing button **B**.
- Select the next digit with button C and set the value again with button B,
  and so on → until the measured dimension is completely entered.
- Then press button **C** repeatedly until the display exits the calibration mode
  → The message "**-Sto-**" appears briefly for confirmation.

7.2 Set Reference Dimension for Pull-Out

- Move flip stop (**4**) for pull-out (**2**) to position **X**
- Measure the distance between the saw blade and the flip stop (**4**) to the nearest 0.1 mm.

Enter measured dimension:

- Select the "**pull-out**" with button **A** (see ⇨ Figure 4):
  The symbol (**S**) for the active pull-out (**2**) appears in the top line of the display.
- Enter the measured dimension as described in section ⇨ 7.1.

When the measured reference dimensions are set, perform test cuts and check the cut dimensions again. Repeat the calibration procedure in case of dimensional deviations.

8 Sleep-Mode

If the Tele-Digit is not needed for a longer period of time (e.g. over the weekend), the digital indicator can be set to sleep mode to save the batteries.

- To do this, clamp both flip stops and press the **B** + **A** buttons simultaneously for approx. 3 seconds.
  → The display briefly shows "**oFF**" and then switches off.
- To switch the display on again, press button **A**.

☝	***Please note that both flip stops are in clamped state. If one of the flip stops is moved during the sleep-mode, the current position will be lost and the system must be recalibrated (chapter ⇨ 5).***

9 Fix Error Message "FULL"

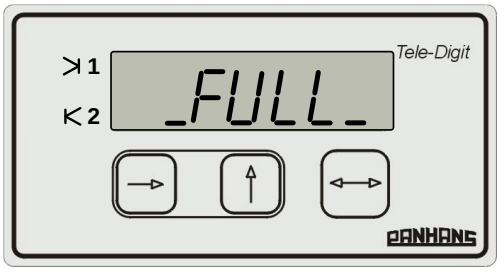

Figure 5: Error message FULL

If the error message "**_FULL_**" appears in the display, it can be remedied as follows:

- Clamp both flip stops so that they cannot be moved.
- Open the battery compartment (**7**) and remove one of the batteries (power supply off).
- Press buttons **C** + **B** + **A** simultaneously and reinsert battery (power supply back on).
- The display must show "**SET-UP**".
- Press the left button **C** for 11 times → The error message should now be cleared.