TRANSLATION OF THE ORIGINAL VERSION

CE

PANHANS
QUALITÄT SEIT 1918

Operating Manual

Digital Cross-Cut Fence

for PANHANS Sliding Table Saws 680 Series

Type:	**DIGITITAL CROSS-CUT FENCE**
For Sliding Table Saws:	**680|100** **680|200**
Article No.:	**4759**

HOKUBEMA Maschinenbau GmbH
Graf-Stauffenberg-Kaserne, Binger Str. 28 | Halle 120
DE 72488 Sigmaringen | Tel. +49 07571 755-0
E-Mail: info@hokubema-panhans.de | Web: https://hokubema-panhans.de

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Revisions

Revision	Autor	Revision	Date
0	AG	German original translated	17.02.2022

1 Functional Description

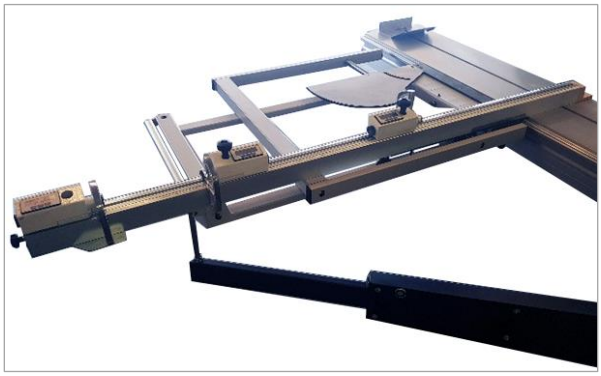

Figure 1: Digital cross-cut fence

The optional digital cross-cut fence has three stop elements, each equipped with its own battery-powered digital indicator.

The corresponding flip stop is clamped using the handwheel next to the digital indicator.

- Adjustment accuracy: 0.1 mm
- Adjustment length: max. 3300 mm

2 Calibration of the Digital Cross-Cut Fence

If the dimensions of the digital indicator do not match the ruler scale, the mechanical measuring rulers must first be readjusted to the fence (see procedure in chapter ⇨ 3), so that the cut dimensions to the saw blade are exactly accurate. Only afterwards the fence can be calibrated via the digital indicator.

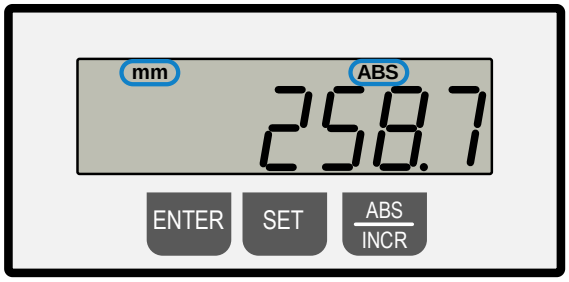

Figure 2: Display mode mm/ABS

The display should show mm and ABS at the top.
If not, press button **ABS/INCR** once.

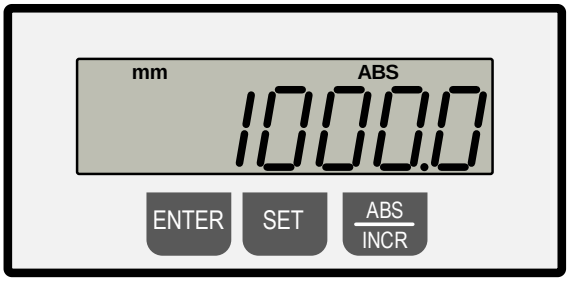

Figure 3: Stored reference dimension (example)

Note: Depending on the version resp. position and number of flip stops, different reference dimensions may appear in the display (see example below).

Example: Calibrating the dimensional setting

- Keep the buttons **ENTER** + **SET** pressed at the same time → The reference dimension stored in the unit appears. In our example it is the value "**1000.0 mm**" (see ⇨ Figure 3).
- Release both buttons and move the flip stop by hand until it has reached **the exact scale dimension of 1000.0 mm on the ruler**. In this example, a deviating value of 1027.9 mm is shown in the digital display (see ⇨ Figure 4).

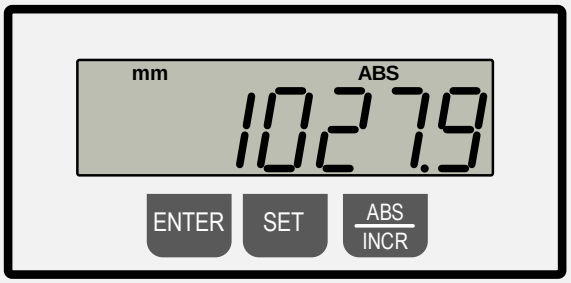

Figure 4: Display deviating from reference dimension

- Keep the buttons **ENTER** + **SET** pressed at the same time → The correct dimension **1000.0 mm** appears and is adopted.
- The setting is complete (see ⇨ Figure 3).

☝	***For checking → Cut a test piece, remeasure and readjust if necessary.***

Repeat the same procedure for the other flip stop (with the corresponding reference dimension).

Alternatively, the digital display can also be calibrated with the ruler measurement in the following way: Simply cut a test piece and transfer the scale dimension of the flip stop to the display as the reference dimension by simultaneously pressing **ENTER + SET**.

2.1 Change / Enter Reference Value

For certain applications it may be necessary to store a specific reference dimension. This section explains the procedure for changing the reference dimension to the example value of 1150.0 mm:

Step 1

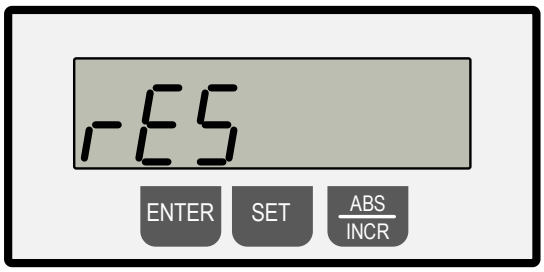

Figure 5: Change/enter calibration unit 1

Press and hold **ENTER** + **SET** simultaneously → "**rES**" and "**0.1**" appear flashing alternately

Step 2

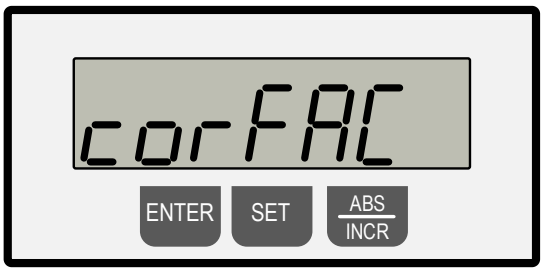

Figure 6: Change/enter calibration unit 2

Press **ENTER** → "**corFAc**" and "**1.00000**" appear flashing alternately

Step 3

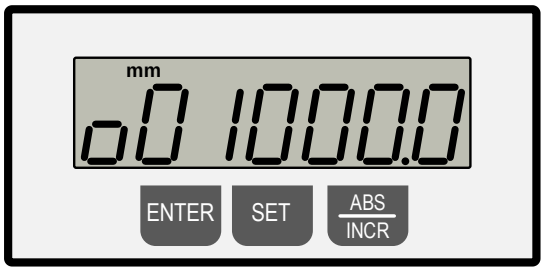

Figure 7: Change/enter calibration unit 3

Press **ENTER** → The display alternates between flashing "**reF**" and the originally stored reference value → here in the example "**o01000.0**".

Step 4

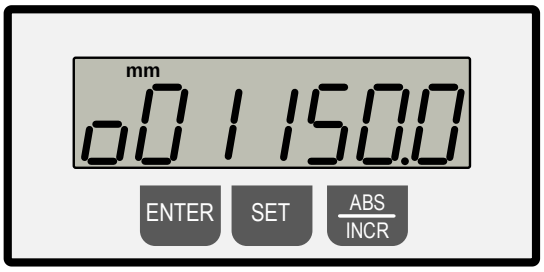

Figure 8: Change/enter calibration unit 4

Press **SET** to select the digit to be changed (the flashing digit can be modified) and set the numerical value with the **ABS/INCR** button.

Step 5

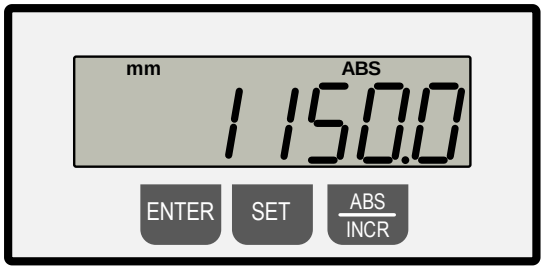

Figure 9: Change/enter calibration unit 5

Now press the **ENTER** button 2 times to exit the programming mode (normal operation).

To check, hold down **ENTER** + **SET** simultaneously → The new calibration value "1150.0 mm" appears in the normal mode (see ⇨ Figure 3).

Then perform the operation described in section ⇨ 2 with the new reference dimension "1150.0 mm" to complete the operation.

3 Adjusting the Fence Rulers

Before the digital cross-cut fence can be calibrated, the measuring scales should be readjusted. For this purpose, the rulers can be moved back to the exact position manually after loosening the fixing screws (**F**) on the bottom side.

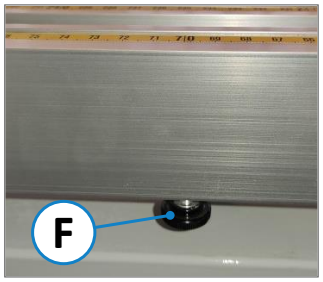

Figure 10: Fixing screw

Procedure:

- Set the corresponding flip stop to any position.
- Move a workpiece to the flip stop and make a test cut on a test workpiece.
- Then measure the cut workpiece and note the dimension.
- Align the rulers with the stop so that the measured dimension exactly matches the scale of the rulers.
- Then tighten the two fixing screws (**F**) again.