

Saw-blade deviation detector and sawing operation optimizer



BE 2020-A



BE 2020-E

Blade Watcher BE 2020

An electronic blade control system for the measuring and display of lateral movements of the saw-blade, without any mechanical contact or wear.

A highly sensitive proximity sensor measure the exact amount and the direction of blade deviations and brings it instantly with a resolution of 0,01 mm / .004" to display.

The Blade Watcher offers an analogue output signal which is in direct relation to the blade deviation, for a possible utilisation in an automatic carriage speed control system and secondly, a contact with zero potential for the use in combination with an external warning system.

What are YOUR profits from the employment of the Blade Watcher?

- Better and constant quality of the sawed timber, reduced timber target size and kerf width.
- The sawyer can rationalise the sawing process by varying the carriage speed in dependence of the tolerated blade deviation.
- The sawyer is warned of technical problems such as wear on saw guides, dullness of saw-blade, wheel misalignments etc.
- Extended blade life and reduced maintenance costs.
- Realisation of an automatic carriage speed control possible.

The Blade Watcher is available in the following executions:

Control System BE 2020-E: For immersed mounting into the main operators control panel, for the monitoring of one saw-blade.

Control System BE 2020-A: For external mounting, for the monitoring of one saw-blade.

The Blade Watcher represents an effective and affordable saw control system. It will serve you for many years without any problems.

Technical Specifications

Tension	90-264 V AC, 50 Hz
Fuse	1 A (external)
Power consumption	max. 50 VA
Measuring range	±1 mm (±0.01mm), ±1,5 mm (±0.01mm), ±2,0 mm (±0.01mm)
Resolution	0,01 mm display in mm or inches possible
Displays	Display with backlight
Outputs	Analogue signal 0 to +10 V DC
Sensor	Contact with zero potential, rated for max. 60 VAC, 1 A
Extension cable	Inductive proximity initiator with analogue output signal
	Standard length 25 m (82 ft.) or 8 m (26 ft.); special length up to 50 m (164 ft.) may be supplied upon request
Ambient temperature	-10 to +40 degrees Centigrade (+14 to +104 degrees Fahrenheit)
Size of control gear	BE 2020-A: 172 x 134 x 210 mm (6.8" x 5.3" x 8.3")
(width x height x depth)	BE 2020-E: 141.8 x 130 x 180 mm (5.6" x 5.1" x 7.1")
Fixation BE 2020-A	Against chassis, wall or bracket with (4) metal screws M5
Fixation BE 2020-E	Immersed into main control panel with (4) metal screws M3

Manufacturers:

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