

UNILOG B2

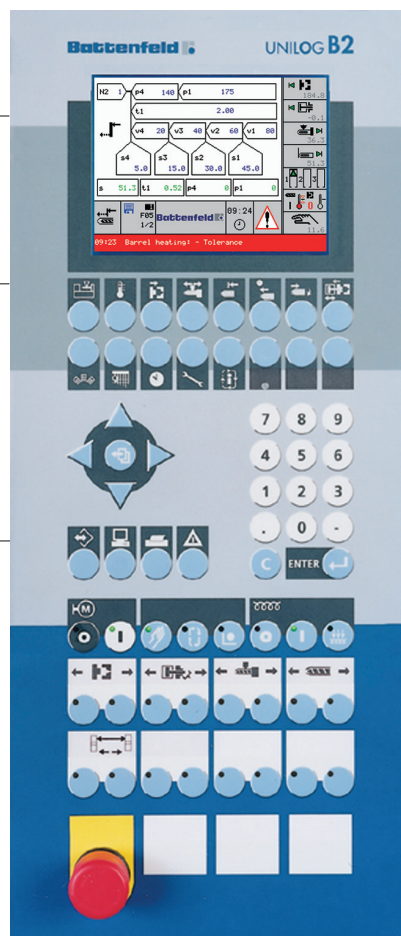
UNILOG B2 is an advanced micro-processor control system designed to meet the requirements of injection molding machine control. The system has been optimized to control all machine movements. The Unilog B2 control system comes with a 116 x 87 mm (5.7" TFT) color monitor. Its operation is straightforward. Data is entered in a concise entry form displayed on a graphical user interface. The concise dialog box with icons facilitates data input. Selection of individual functions is fast and easy. Only few screen pages are required for symbolic display of the injection molding process, these can be selected by

pressing the function keys. A status bar facilitates diagnostics and provides a precise machine status report. Error identification texts can be displayed in several languages. Access via a password system ensures operation of the equipment according to the skills of the operator. A quality table with accepts / rejects analysis, process monitoring and automatic safety cut-off functions controls the production process. Values that exceed tolerance are clearly marked in red. All parameter settings can be stored on a 3.5" floppy disk or via USB interface. Physical units can be displayed either in metric units or as SPI units.

Printer via USB

Quality table with accepts/
rejects detection, process
monitoring and safety cut-off

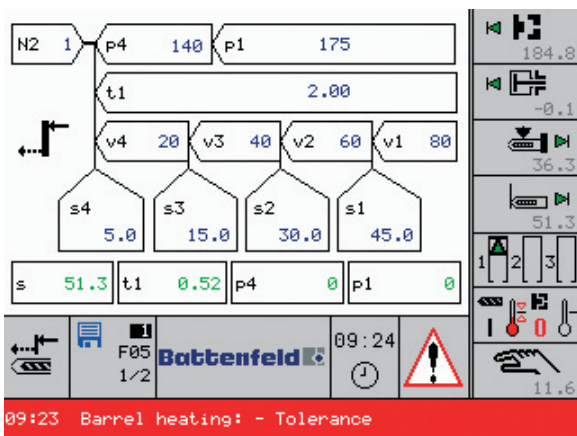
Password system



Color display 116 x 87 mm
(5.7" TFT); symbolic input
dialog on few screen pages;
the status bar shows the
machine status.

Machine settings stored
on PC-compatible floppy
disk and via USB

Symbolic input and display ensures a quick overview of the process and reduces the number of screen pages. The positioning and alignment of symbols allows intuitive operation. Only 3 graphic elements are required for input and display.



HOLDING PRESSURE

The holding pressure profile is entered in three profile steps. The process overview is completed by entry and display of holding pressure time and cooling time.

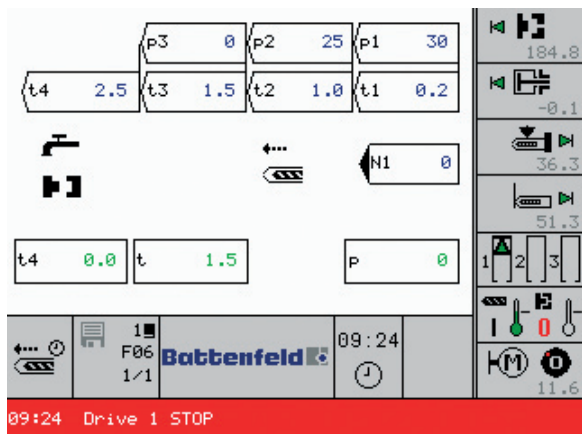
| no | mon. : cycle | Param. 0 | Param. 1 |
|------|-----------------|----------|----------|
| 8 | 6806 | 11.61 | 0.72 |
| 7 | 6807 | 11.61 | 0.72 |
| 6 | 6808 | 11.61 | 0.73 |
| 5 | 6809 | 11.61 | 0.72 |
| 4 | 6810 | 11.61 | 0.72 |
| 3 | 6811 | 11.61 | 0.72 |
| 2 | 6812 | * 9.50 | * 0.81 |
| 1 | 6813 | * 11.70 | * 0.81 |
| min | | 5.86 | 0.70 |
| max | | 11.70 | 0.81 |
| mean | | 10.68 | 0.72 |
| Stdv | | 1.522 | 0.027 |

In the rectangular boxes the actual values are shown, the rectangles with pointed tops contain set value entries. Parameter settings are shown in the rectangles with solid arrows.

INJECTION

The display of injection strokes and speeds is self-explanatory. A maximum of 4 strokes can be entered. The set profile is interpolated according to the characteristics of the hydraulics.

The actual values for screw stroke, injection time and pressure are shown in the rectangular boxes.



QUALITY TABLE

The quality table is an important tool for production monitoring and documentation. A total of 4 out of 36 parameters can be stored and monitored for the last 50 cycles. If desired, each monitoring channel can be used to control a reject gate.