

Powerful features with intuitive operation

TOUCH-SCREEN DIGITAL DISPLAYS FOR INCREMENTAL COUNTER SIGNALS

In applications where sensors with incremental outputs are used to check the machine status or process conditions, our touch-screen digital displays for incremental encoders are ideal. Here, a digital panel meter on a packaging line displays the output of an incremental rotary encoder as line speed for the moving roll of film material. Since the signals can be scaled and displayed using the correct units, this display is highly convenient to use.

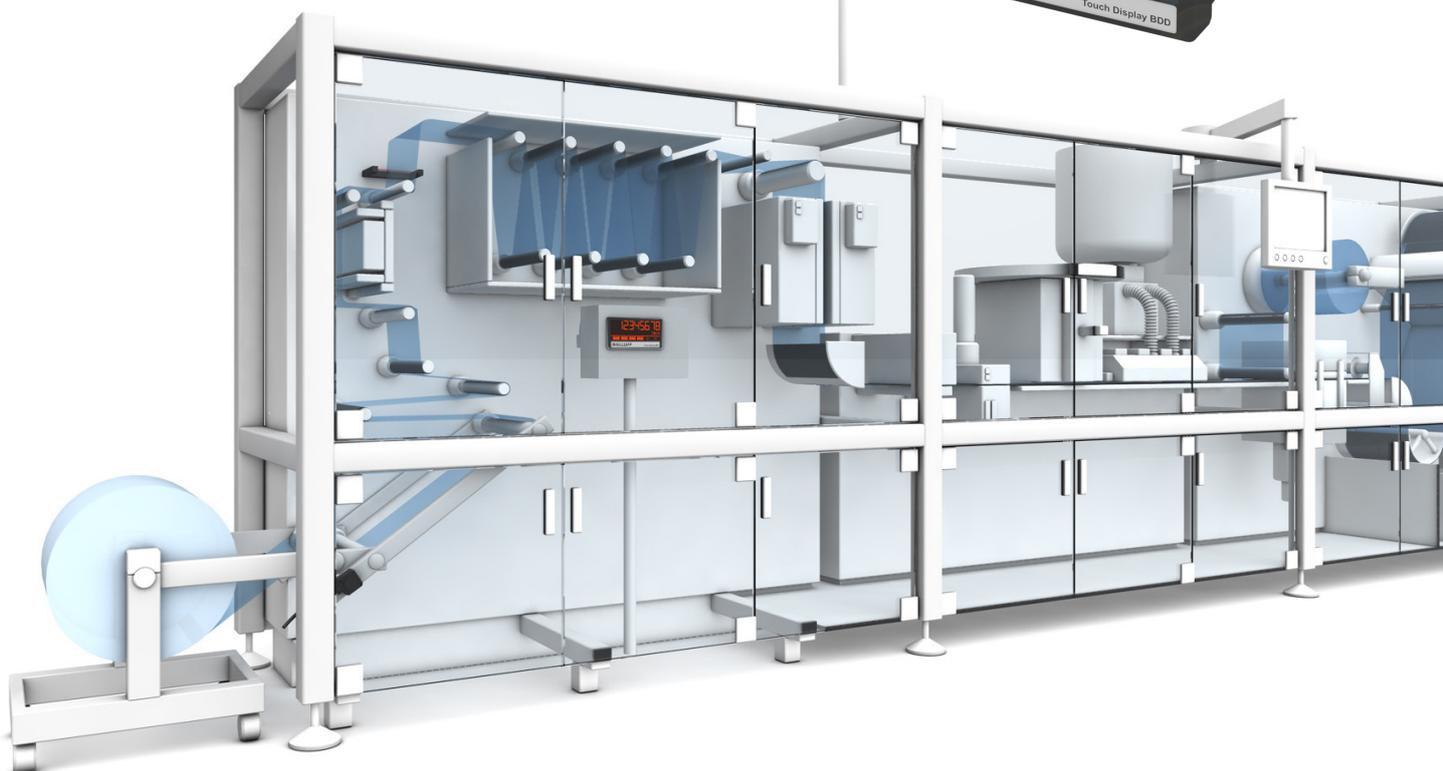
Our displays offer great flexibility. Different interfaces ensure optimal integration. And a variety of setting options opens up a wide range of applications.

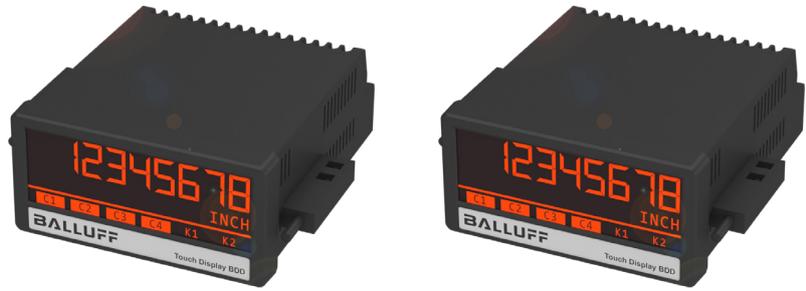
With their encoder supply these digital displays also provide the power for the connected encoder system. The switching outputs allow you to easily assign simple detection tasks.

For optimal flexibility you can use various modes such as speed, process time or pulse counter. And depending on your requirements you can, for example, set the input signal, screen color, linearization or hysteresis and much more with ease.

Features

- Intuitive touch-screen operation and straightforward parameter setting with plain-text prompts
- Single channel, HTL (A, B) or RS422/HTL differential (A, \bar{A} , B, \bar{B}) depending on model
- Built-in display of units
- Interfacing functionality: 5 or 24 V DC sensor supply, control outputs
- Variety of scaling, signal-processing, and control capabilities minimizes PLC programming





DIGITAL DISPLAYS

	BAE010K	BAE010L
Function	Single-axis counter	Single-axis counter
Operating voltage	18...30 V DC	18...30 V DC
Inputs	2 × Incremental A, B	4 × Incremental A, \bar{A} , B, \bar{B}
Input frequency max.	250 kHz	1 MHz
Outputs	–	4 × PNP
Sensor supply	24 V, max. 250 mA	5 V/24 V, max. 250 mA
Ambient temperature	–20...+60 °C	–20...+60 °C
IP protection class	IP65	IP65
Panel cutout	43 × 91 mm	43 × 91 mm
Approval/conformity	CE	CE



SUITABLE PRODUCTS

MAGNETIC ENCODERS	BML070J	BML07PY
MAGNETIC TAPE	BML0699	BML001T
Description	Incremental encoder system BML-S2C for linear/rotary motion	Incremental encoder system BML-S1F for linear/rotary motion
Usable display	BAE010K	BAE010L