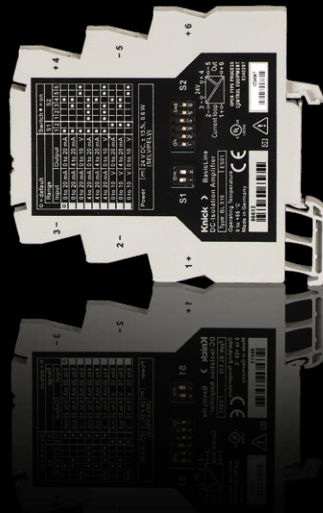


We regularly hear that we produce the world's best isolators. Now the news will quickly spread – the same assured quality is available at **affordable prices.**

Bright colors are probably not the key feature of your control cabinet. This is why we kept our new **BasicLine** in plain black-and-white, and the price nice and low.  
[www.knick-international.com/basicline](http://www.knick-international.com/basicline)



Universal Isolators

Isolators for Standard Signals

Loop-Powered Isolators for Standard Signals

Signal Doublers

Repeater Power Supplies

Temperature Transmitters

Set-Point Alarm Relays

# The new Knick BasicLine.

**Everyone wants less clutter:** The new BasicLine includes all standard equipment in the control cabinet. As sophisticated as our world renowned high-end products, but much more affordable. BasicLine is ideal for electrical equipment suppliers, engineering firms and many other industries where simply good is simply good enough.

**Knick sets global standards:** For more than 50 years Knick has manufactured electronic measuring equipment of the highest quality. Whether for electrical isolation, analytical instruments or loop-powered digital indicators, Knick is the market leader in specialized measuring and control equipment. And now, with the affordable BasicLine, we're setting a new standard for isolation amplifiers.

# Knick Basi

## Universal Isolator BasicLine BL 570

The "multitalent" among the isolators: Every range between  $\pm 20$  mV and  $\pm 200$  V DC can be individually adjusted. Over 400 ranges are factory-calibrated.

Input	0 ... 20 mV/200 V, 0 ... 100 $\mu$ A/100 mA unipolar/bipolar
Accuracy	< 0.25 % full scale
Test Voltage	1.5 kV AC
Working Voltage	300 V AC/DC
Power Supply	24 V DC/100 ... 230 V AC
Further Functions	Calibrated range selection

## Isolator for Standard Signals BasicLine BL 513

This mains-powered signal isolator convinces with optimal signal transmission in standard applications.

Input	0 ... 20 mA 4 ... 20 mA 0 ... 10 V
Accuracy	< 0.3 % full scale
Test Voltage	1.5 kV AC
Working Voltage	300 V AC/DC
Power Supply	24 V DC/100 ... 230 V AC
Further Functions	Calibrated range selection



# cLine

## Isolator for Standard Signals BasicLine BL 510

This compact signal isolator provides straight-forward galvanic isolation and signal conversion in standard applications.

Input	0 ... 20 mA 4 ... 20 mA 0 ... 10 V
Accuracy	< 0.3 % full scale
Test Voltage	0.51 kV AC
Working Voltage	150 V AC/DC
Power Supply	24 V DC
Further Functions	Calibrated range selection

## Repeater Power Supply BasicLine BL 560

This repeater power supply comes in a slim 6-mm housing and is used in safe areas for supplying 2-wire sensors with signal decoupling.

Input	4 ... 20 mA, supply voltage 16.5 V
Accuracy	< 0.25 % full scale
Test Voltage	0.51 kV AC
Working Voltage	150 V AC/DC
Power Supply	24 V DC



# The New Low-Cost, High-Quality Isolators From Knick For All Important Standard Applications.

## Loop-Powered Isolator for Standard Signals BasicLine BL 541/542

Extremely compact, accurate, reliable.  
This loop-powered isolator requires no external power source whatsoever – while ensuring the best quality, of course.

Variants	BL 541, 1 channel	BL 542, 2 channels
Input	0 ... 20 mA 4 ... 20 mA	2 x 0 ... 20 mA 2 x 4 ... 20 mA
Accuracy	< 0.2 % full scale	
Test Voltage	1.5 kV AC	
Working Voltage	300 V AC/DC	
Power Supply	Loop-powered	
Further Functions	Low voltage drop of 1.7 V	

## Signal Doubler BasicLine BL 530

This load and signal doubler provides two galvanically isolated current outputs which can each drive a load of 400 ohms or 800 ohms when connected in series.

Input	0 ... 20 mA 4 ... 20 mA
Accuracy	< 0.3 % full scale
Test Voltage	1.5 kV AC
Working Voltage	300 V AC/DC
Power Supply	24 V DC
Further Functions	4-port isolation, 2 x 400 ohms/ 800 ohms output load



✓ Perfect price-performance ratio	✓ 3-year warranty
✓ CE compliant and UL approved	✓ <a href="http://www.knick-international.com/basicline">www.knick-international.com/basicline</a>

## Temperature Transmitter BasicLine BL 520

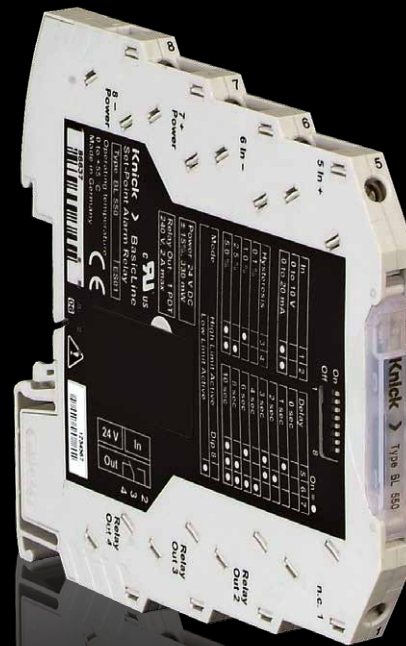
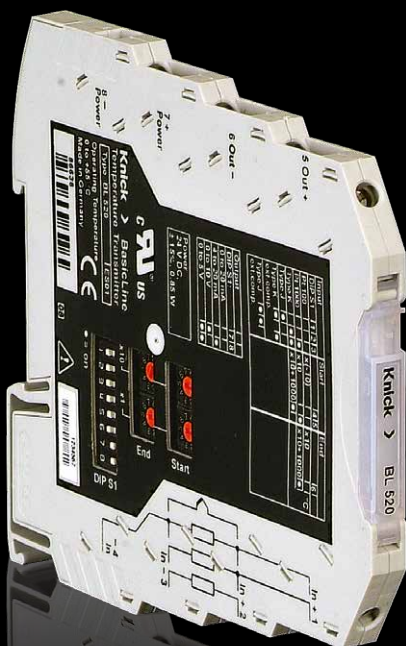
This flexible temperature transmitter with range selection in plain text measures temperature using standard platinum sensors and thermocouples.

Input	Resistance thermometers Pt100, Pt1000 Thermocouples Type J and K
Accuracy	< approx. 0.2 % full scale
Test Voltage	1.5 kV AC
Working Voltage	300 V AC/DC
Power Supply	24 V DC
Further Functions	Calibrated range selection, automatic recognition of 2-, 3-, 4-wire connection

## Set-Point Alarm Relay BasicLine BL 550

This extremely compact set-point alarm relay with changeover output contacts monitors and controls process variables with maximum reliability.

Input	0 ... 20 mA/4 ... 20 mA 0 ... 10 V
Relay Output	1 changeover contact 240 V AC, 2 A
Test Voltage	1.5 kV AC
Working Voltage	50 V AC/DC
Power Supply	24 V DC
Further Functions	Adjustable hysteresis and delay



**Knick** 

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