

SIGNEXT™-DW

Signal Conditioner and
Isolated Power Supply



- 4-20mA input, DIP switch configurable output
- module powers the input loop
- 3 port isolation
- plug & socket connectors

The SIGNEXT™-DW module can perform 3 functions:

- provides power to a 2 wire transmitter
- isolates the analog signal
- converts a 4-20mA signal to a voltage or a different current range

This module provides isolated power to a 2 wire transmitter so that a separate power supply is not required. The 4-

20mA signal from the transmitter is converted to a different signal level as required or as a 4-20mA signal output. The input, output and power are all isolated from each other so no ground loops will be created.

There are 6 DIP switch selectable output ranges - 3 voltage and 3 current. The module can be configured while the

power is applied. Span and zero calibration potentiometers are accessible on the front of the module. The default setting is a 4-20mA output.

Ordering information
catalog number

330140

SPECIFICATIONS

SigNEXT™ – DW	
input ranges / impedance:	4-20mA / $\leq 50\Omega$
output range / load impedance:	0-5V, $\geq 1K\Omega$ 0-10mA / 0-1.5K Ω 1-5V, $\geq 1K\Omega$ 0-20mA / 0-750 Ω 0-10V, $\geq 1K\Omega$ 4-20mA / 0-750 Ω
supply voltage:	20-30Vdc
current:	$\approx 170\text{mA}$ @ 24Vdc
accuracy:	$\pm 0.1\%$
temp. co-eff:	$\leq 0.015\%/^{\circ}\text{C}$
output ripple:	$\leq 0.5\%$ peak
response time:	$\leq 400\text{ms}$
isolation:	input-output input-power output-power 1.8KV for 1 minute 1.8KV for 1 minute 1.8KV for 1 minute
storage temp.:	-10° to $+70^{\circ}\text{C}$
operating temp:	0° to $+60^{\circ}\text{C}$
humidity:	90% non-condensing
dimensions:	78 x 99 x 114mm
weight:	$\approx 170\text{g}$
approvals:	 E256770

