

SIGNEXT™-DWD

Dual Output Signal Conditioner
And Isolated Power Supply



- 4-20mA input, dual 4-20mA outputs
- module powers the input loop
- 4 port isolation
- plug & socket connectors

The SIGNEXT™-DW module can perform 4 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
- provides 2 analog outputs

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 if required or is output as a 4-20mA signal. The input, outputs and power are all isolated from each other so no ground loops will be created.


Span and zero calibration potentiometers are accessible

on the front of the module. Consult Emphatec if outputs other than 4-20mA are required.

Ordering information

catalog number 330141

SPECIFICATIONS

SIGNEXT™ – DWD	
input ranges / impedance:	4-20mA / $\leq 50\Omega$
output range / load impedance:	output1: 4-20mA / 0-500 Ω output2: 4-20mA / 0-350 Ω Contact factory for other output ranges
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-outputs 1.8KV for 1 minute input-power 1.8KV for 1 minute outputs-power 1.8KV for 1 minute output1-output2 1KV for 1 minute
storage temp:	-10 to +70 $^{\circ}\text{C}$
operating temperature:	0 to +60 $^{\circ}\text{C}$
humidity:	90% non-condensing
dimensions:	78 x 99 x 114mm
weight:	$\approx 200\text{g}$
approvals:	 LISTED, E256770

