

SIGNEXT™-DTD

Dual Output Loop Powered Signal
Conditioner



- one input, 2 outputs: 0-10Vdc or 4-20mA input: 2 x 4-20mA outputs
- four port isolation
- plug & socket connectors

The SIGNEXT™-DTD module provides 2 isolated analog inputs so a single field transmitter can be easily interfaced to 2 devices such as a PLC and a local display.

The module provides input-output

and in/out-power isolation of 1800V as well as isolation of 1KV between the 2 outputs. This ensures no ground loops are created. Span and zero calibration potentiometers are accessible on the front of the module.

Ordering information

Catalog numbers:


0-10Vdc input, 2 x 4-20mA outputs:

330139

4-20mA input, 2 x 4-20mA outputs:

330054

SPECIFICATIONS

SigNEXT™ – DTD	
input ranges/impedance:	4-20mA / $\leq 50\Omega$ and 0-10Vdc / $\geq 1M\Omega$
output range / load impedance:	Output1: 4-20mA / 0-500 Ω Output2: 4-20mA / 0-350 Ω
Supply voltage:	20-30Vdc
current:	$\approx 170mA$ @ 24Vdc, in-rush 1.6A for 60mS
accuracy:	$\pm 0.1\%$
temp co-eff:	$\leq 0.015\%/^{\circ}C$
output ripple	$\leq 0.5\%$ peak
response time	$\leq 400ms$
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 temperature:	-10 to +70 $^{\circ}C$
operating temp:	0 to +60 $^{\circ}C$
humidity:	90% non-condensing
dimensions:	22.5 x 99 x 114mm
approvals:	 LISTED, E256770
weight:	$\approx 200g$

