

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: | $\approx 200g$ |

