

Density Transducer Interface (DTI)



Features:

- DIN Rail Mounted
- Measures only 22.5 (W) X 79(H) X 106.7 (D) MM
- Fully encapsulated
- Works with or without safety barrier



The Density Transducer Interface takes a digital pulse signal capable of driving a variety of Input devices. This enables conventional inputs to be used with the newer types of density transducer.

The Density transducer Interface is 24 V DC operated device, 24 V is to be applied between terminal No. 4 (as 0 Volt) & terminal no.5 (as 24 V DC).

The input signal from transducer at DTI Terminal No. 7 Ground and 8 as + is expected 1.8 Volts peak to peak.

The signal is squared via a Schmitt trigger and than driven by an open-collector transistor stage through terminal No 1 Ground and 2 positive at 90% of power supply level.



DTI Specification

Supply Voltage	15-33 V DC
Supply Current	5 mA @ 24 V DC
O/P Current Drive	25 mA @ 24 V DC supply
Input sensitivity	400mV to 1.8 V P-P @ 1 Hz to 1 KHz
High freq 3 dB point	3.3 KHz typical
Dimension	22.5 (W) X 79 (H) X 106.7 (H) MM
Weight	0.150 Kg



imagination at work

Distributed by:



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