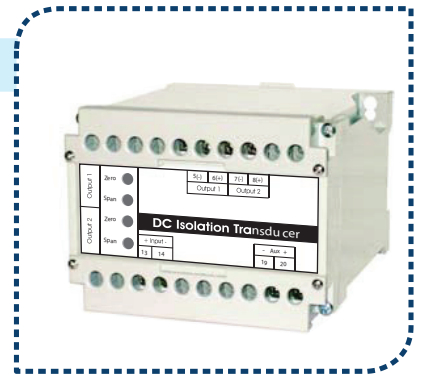


⚙️ Description:

DC Isolation Transducer takes various DC Voltage or DC Current signal inputs and provides a Stable, Ripple-Free and Optically Isolated DC load independent output in the form of current or voltage. The output can be connected to Controllers, Data-Loggers, PLC's, Analog / Digital Indicators, Recorders for display, analysis or control. They are ideal for SCADA, Energy Management, Telemetry for Remote, Local as well as Central Monitoring Systems. Model DTI - RRL has LED indication at Power ON condition.



⚙️ Specifications:

Model : VT-DC (DIN Series)				Model : VT-DC-RRL(DIN Series)					
DC Input				DC Output				Auxiliary Power Supply	
Input Ranges	0-100 mV	4-20 mA	Current		Voltage		Tolerance		
	0-1 V	2-10 mA	Output	Load	Output	Load	SMPS - HV	85 - 265V AC / DC	
	0-5 V	1-5 mA	0-1 mA	0-10 KV	0-1 V	> 1 kV			< 2.5 VA
	1-5 V	0-1 mA	0-5 mA	0-2 KV	0-5 V	> 5 kV			
	0-10 V	0-10 mA	0-10 mA	0-1 KV	1-5 V	> 10 kV			
	2-10 V	0-16 mA	2-10 mA		0-10 V				
	0-1000 V	0-20 mA	0-20 mA	0-20 mA	0-500 V	2-10 V	AC Linear Power Supply	110 V ± 20 % 230 V ± 20 %	< 4 VA
Measuring Range	0-1.2 In, 0-1.2 Un		4-20 mA	0-500 V	0-5-10 V	> 10 kV			
Overload (continuous)	1.2 x Un, 2 x In		4-12-20 mA	0-500 V	0-5-10 V	> 10 kV			
Burden	10 kOhm/V for Voltage 100 mV for Current								
Bi-directional Inputs	-50/0/50 mV DC to -300/0/300 V DC								

Optional

- Bi-directional Inputs available
- Other input ranges available subject to technical feasibility
- Other input ranges available subject to technical feasibility

Optional

- Dual Non-Isolated Outputs
- Dual Isolated Outputs, inquire with sales@omicron.in
- Dual Symmetrical & Asymmetrical Outputs
- Bi-directional Outputs
- Other output ranges available subject to technical feasibility

Optional

- Other Auxiliary Power Supplies available subject to technical feasibility

⚙️ Dimension:

DIN Series : Case Size III for Dual Output (Isolated) of AC,DC or SMPS Aux. Supply
Case Size I for Single or Dual Output (Non-Isolated) of SMPS Aux. Supply

Note : For Case Size refer General Specifications

Connection Diagram

