



CATHODIC PROTECTION

ZIO 1244

Remote Input/Output Module

Safely isolate and measure
CP potentials over SCADA



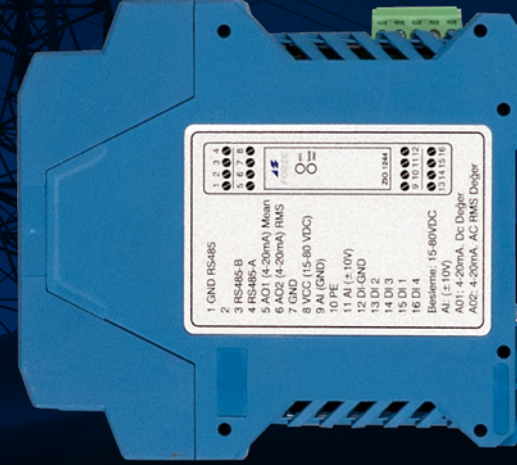
ZIO 1244 Input/Output module is designed to measure the DC and AC values of the Pipe to Soil potential simultaneously. The Module can transfer the measured data to the SCADA system over either 4-20mA Analog outputs or through RS485 MODBUS.

Wide input voltage range allows module to be powered with 12-50 VDC. Reverse polarity protection assures modules connection safety. ZIO1244 also offers 4 Digital Inputs and 4 Relay Outputs for general purpose usage.



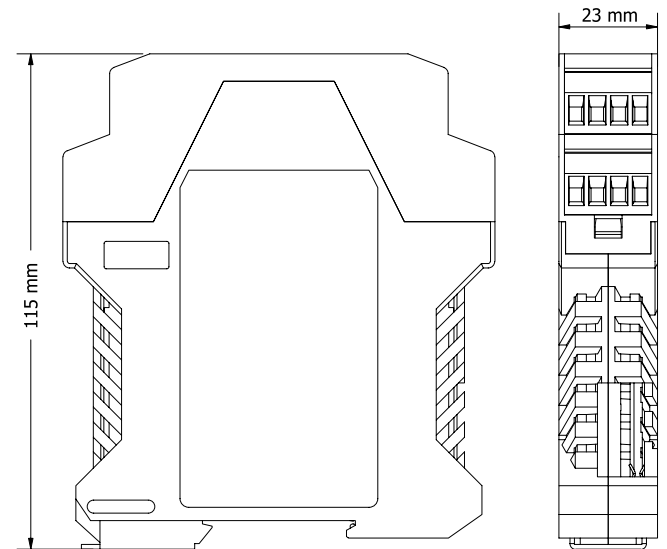
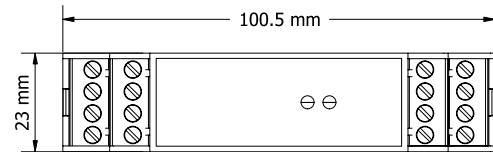
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Technical Specifications

Model	ZIO1244-10	ZIO1244-5
Supply Voltage	12-50VDC	
Reverse Polarity Protection	✓	
Input Current	<1A	
Number of Analog (AI) Inputs	1	
Analog Input Range	±10 VDC	±5 VDC
	±7 VACrms	±3.5 VACrms
Input Protection	500V	
Burst/Surge Protection	✓	
Input Impedance	10Mohm	
Measurement Accuracy for DC	0.5%+20mV	
Measurement Accuracy for AC	2%+0.1V	
Resolution	5mV	2.5mV
Number of Digital (DI) Inputs	4	
Galvanic Isolation	✓	
Dielectric Withstand Voltage	2500VAC 60s.	
Digital Input Voltage Range	15-30VDC	
Number of Digital (DO) Outputs	4	
Output Type	Relay	
Contact Current Rating	4A 250VAC	
Number of Analog (AO) Outputs	2	
Analog Output Type	4-20mA	
Analog Output Power Source	External	
Analog Output Load Range	0-1000Ohm	
Analog Output (AO1) Data	Mean Value of AI	
Analog Output 1 (AO1) Mapping	4mA - 4.5mA=-OL	
	5mA=-10V	5mA=-5V
	12mA= 0V	
	19mA=+10V	19mA=+5V
	19.5-20mA= +OL	
Analog Output (AO2) Data	AI AC RMS Value	
Analog Output 1 (AO1) Mapping	4mA= 0V	
	20mA=7 VAC RMS	20mA=3.5 VAC RMS
Digital Communication	RS485 MODBUS RTU	
Communication Speed	9600BPS	
Over Range Alarm	✓	
Operating Temperature Range	-30,+60°C	
Mounting Style	Din Rail	



* Please note that all products, product specifications and data presented in this datasheet or web site are believed to be free of errors and subject to change without prior notification for continued improvement. It is the users responsibility to ensure the suitability of the product for a specific application.