ETHOS 8350 SPECIFICATION

Electrical Specifications

1.1 Standards

To meet 300V Cat IV, 500V Cat III

- BS EN 61010-2-030:2010 (Safety)
- BS EN 61326-2-2:2013 (EMC)
- BS EN 61557-1:2007 (General performance)
- BS EN 61557-2:2007 (Insulation performance)

1.2 Environmental

Operating Temperature Range	0°C to 40°C
Storage Temperature Range	-10°C to 60°C
Operating Humidity	80% @ 31°C to 50% @40°C

Features

Voltage breakdown facility and 50 / 100V insulation tests
Buzzer Facility for "Belling Out" >50Ω

Insulation Test Range Accuracy

Test Voltage	Ranges	Tolerance (@20˚C)
250V	0.01 – 9.99 MΩ	±3% ±1 digit
	10.0 – 99.9 MΩ	±3% ±1 digit
	100 – 199 MΩ	±6% ±1 digit
500V	0.01 – 9.99 MΩ	±3% ±1 digit
	10.0 – 99.9 MΩ	±3% ±1 digit
	100 – 199 MΩ	±3% ±1 digit
	200 – 499 MΩ	±6% ±1 digit
1000V	0.01 – 9.99 MΩ	±3% ±1 digit
	10.0 – 99.9 MΩ	±3% ±1 digit
	100 - 399 MΩ	±3% ±1 digit
	400 – 999 MΩ	±6% ±1 digit

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Insulation Output Voltage

Voltage	Load	Output Current	Tolerance
250	250 kΩ	1 mA	-0% +20%
500	500 kΩ	1 mA	-0% +20%
1000	1 MΩ	1 mA	-0% +20%
Short Circuit current (into 2kΩ)			<2mA
Typical test time (10 MΩ)			<2 sec

Continuity Accuracy

Ranges	Tolerance (@20˚C)
0.00 – 9.99 Ω	±3% ± 2 digit
10.0 – 99.9 Ω	±3% ± 2 digit
100 Ω - 19.99 kΩ	±3% ± 2 digit
Open Circuit Voltage	>4V , <10V
Short Circuit Voltage	>200mA
Test Lead Null	5 Ω
Test time (2 Ω)	<2 seconds
Hazard warning LED >25V	>25V

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