

# ETHOS 8370 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 61557-3:2007 (Loop 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

### 1.3 Loop / PFC-PSC

Supply Voltage Range	195 to 260V AC 50-60Hz
Over Voltage Protection	440V

### 1.4 Loop HI L-E

3 wire test Live-Earth, 7A nominal at 230V Range	Tolerance
0.00 to 500.0Ω	± (3% + 3 digits)

### 1.5 Hi-Resolution HI L-E

3 wire test Live-Earth, 7A nominal at 230V Range	Tolerance
0.000 to 9.999Ω	± (3% + 30 mΩ)
10.00 to 99.99Ω	± (3% + 3 digits)
100.0 to 500.0Ω	± (3% + 3 digits)



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## 1.6 Hi-Resolution HI L-N

3 wire test Live-Neutral, 7A nominal at 230V Range	Tolerance
0.000 to 9.999 $\Omega$	$\pm$ (3% + 30 m $\Omega$ )
10.00 to 99.99 $\Omega$	$\pm$ (3% + 3 digits)
100.0 to 500.0 $\Omega$	$\pm$ (3% + 3 digits)

## 1.7 LOOP NO Trip L-E

3 wire test Live-Earth Loop, 13mA nominal at 230V, max 5 $\Omega$ Neutral impedance Range	Tolerance
0.00 to 99.99 $\Omega$	$\pm$ (5% + 5 digits)
100.0 to 499.9 $\Omega$	$\pm$ (3% + 3 digits)

## 1.8 Volts VLN-VLE-VLN

Range	Tolerance
0 to 260V	$\pm$ (3% + 3 digits)



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