

# ETHOS 3455 SPECIFICATION

## General Specification

Function	Range & Resolution	Accuracy (% of reading)
DC Current	40.00 AAC	± (2.8% + 10 digits)
	400.0 AAC	± (2.8 % + 5 digits)
	1000 AAC	± (3.0 % + 5 digits)
AC Current (True RMS)	40.00 AAC	± (3.0 % + 5 digits)
	400.0 AAC	± (3.0 % + 5 digits)
	1000 AAC	± (0.8% + 3 digits)
DC Voltage	400.0 mVDC	± (0.8% + 3 digits)
	4.000 VDC	± (1.5% + 3 digits)
	40.00 VDC	
	400.0 VDC	
	600 VDC	± (2.0% + 3 digits)
AC Voltage (True RMS)	400.0 mVAC	± (0.8% + 20 digits)
	4.000 VAC	± (1.8% + 5 digits)
	40.00 VAC	
	400.0 VAC	
	600 VAC	± (2.5% + 5 digits)
Resistance	400.0 Ω	± (1.0% + 4 digits)
	4.000KΩ	± (1.5% + 2 digits)
	40.00KΩ	
	400.0KΩ	
	4.000MΩ	± (2.5% + 3 digits)
	40.00MΩ	± (3.5% + 5 digits)
Capacitance	40.00nF	± (5.0% reading + 100 digits)
	400.0nF	± (3.0% reading + 5 digits)
	4.000μF	± (3.5% reading + 5 digits)
	40.00μF	
	100.0μF	± (5.0% reading + 5 digits)

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# ETHOS 3455 SPECIFICATION

## General Specification

Function	Range & Resolution	Accuracy (% of reading)
Frequency	5.000Hz	± (1.5% reading + 5 digits)
	50.00Hz	± (1.2% reading + 2 digits)
	500.0Hz	Sensitivity: 10Vrms min.
	5.000kHz	
	50.00kHz	
	100.0kHz	
Duty Cycle	0.5 to 99.0%	± (1.2% reading + 2 digits)
	Pulse width: 100µs - 100ms, Frequency: 5.000Hz ~ 100.0kHz	
Temp (type-K) (probe accuracy not included)	-20 to 1000 °C	± (3.0% reading + 5°C)
	-4 to 1832 °F	± (3.0% reading + 7°F)

Note: No Autoranging & 400mV AC Voltage Range

Clamp size	Opening 1.2" (30mm) approx
Diode Test	Test current of 0.3mA typical; Open circuit voltage 1.5V DC typical.
Continuity Check	Threshold <100Ω; Test current < 1mA -4 to 1832 °F
Low Battery Indication	"  " is displayed
Overrange Indication	"OL" is displayed
Measurements Rate	2 per second, nominal
Input Impedance	7.8MΩ (VDC and VAC)
Display	000 counts LCD
AC response	True rms (AAC and VAC)

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