

# ONS2858CX Transformer and Filter tester



ONSys Technologies OPC Pvt. Ltd.

Electronics and Electrical Test & Measurement Solutions

ONSys Technologies



## Overview

- True color 4.3 inch TFT display,
- Basic measurement accuracy is 0.1%, the maximum test speed can reach 30 times/Sec.
- 50 Hz - 200 kHz, 37 typical frequencies
- Many different signal sources output impedance that is 30  $\Omega$ , 50  $\Omega$  and 100  $\Omega$
- The results of the test, the same page

classification with different color display, quickly judge qualified, unqualified

- Reliable test results can be compared with Agilent instrument test results
- More than 50 groups of internal settings file, U disk expand multiple groups of test files to save or call.
- Simplified Chinese, English optional
- Software version of the instrument can be updated and upgraded by USB HOST
- It is more convenient for data to be saved with U disk copy screen function; file systems with the format FAT16, FAT32 are supported
- Standard RS232C, HANDLER, USB HOST, USB CDC, USB TMC, headphone interface, optional GPIB

## Brief Introduction

ONS2858CX is a multi-functional component tester for testing all kinds of electronic components. The most popular 4.3inch 480x272 color LCD display is used, it is more intuitive and more comfortable for users to read test results. 0.1% basic accuracy, high speed and low distributed capacitance, provides a high accuracy filter test requirements. Simple operation, clear test results.

## General Specifications

<b>Operating temperature &amp; humidity</b>		0°C - 40°C, ≤90%RH
<b>Power requirements</b>	<b>voltage</b>	100 ~ 120Vac 198 ~ 242Vac
	<b>frequency</b>	47.5Hz - 63Hz
<b>Power loss</b>		≤ 30VA
<b>Volume (W×H×D)</b>		240mm×100mm×345mm
<b>Weight</b>		About 2.5kg

# ONS2858CX Transformer and Filter tester

## Technical Specifications

Measurement function		
LCR test parameter	$ Z ,  Y , C, L, X, B, R, G, D, Q, \theta$	
Transformer test parameter	L,R, Z ,DCR,TURN,TRL, P, Q, BAL,	
Test frequency	50、60、80、100、120、150、200、250、300、400、500、600、800、1K、1.2K、1.5K、2K、2.5K、3K、4K、5K、6K、8K、10K、12K、15K、20K、25K、30K、40K、50K、60K、80K、100K、120K、150K、200K(Hz) , 37 frequencies	
Basic measurement accuracy	0.1%	
Equivalent circuit	Series, parallel	
Math function	Absolute deviation, percentage deviation	
Range method	Automatic, hold, manual selection	
Trigger mode	Internal, manual, external, bus	
Measurement speed ( $\geq 1\text{kHz}$ )	Fast speed: 40 times/Sec at most, medium speed: 11 times/Sec, slow speed: 3 times/Sec	
Average times	1—255	
Delay time	0—60s, step 1ms	
Correction function	Open circuit / short circuit / load	
Test end configuration	Five ends	
Display mode	Direct reading, $\Delta$ , $\Delta\%$ , V/I (Measured voltage / current monitor)	
Display	5 bits resolution, 4.3 inch LCD display	
Test signal		
Test signal frequency	50 Hz - 200 kHz	
Output impedance	Optional 30 $\Omega$ 、50 $\Omega$ 、100 $\Omega$	
Test signal level	Normal :0.020V-1V, accuracy: 10%	
Bias source	internal	$\pm 2\text{V}$ bias voltage, Accuracy: 1%
	extend	extend $\pm 5\text{VDC}$ bias voltage
Display range		
$ Z , R, X$	0.01m $\Omega$ — 99.999 M $\Omega$	
$ Y , G, B$	0.0001 $\mu\text{S}$ — 99.999 S	
C	0.0001 pF — 9.9999 F	
L	0.0001 $\mu\text{H}$ — 999.99 H	
D	0.0001 — 9.9999	
Q	0.0001 — 99999	
DCR	0.01 m $\Omega$ — 99.999 M $\Omega$	
TURN	- 999.99—999.99	
P	+, —	
BAL	-999.99—999.99	
$\Delta\%$	-99.999%-99.999%	

## ONS2858CX Transformer and Filter tester

Others	
Comparator function	PASS, HI, LOW, PASS/FAIL, LED instructions
Memory	50 groups of internal setting files for storage / call, external 500 groups
Interface	Standard RS232C, USB HOST, optional GPIB, HANDLER

### Ordering Information

**ONS2858CX** Transformer and Filter tester

### Instrument Accessories

ONS26004-1 Four ends Kelvin test cable

ONS26012B Filter balance tester test fixture

### Optional Accessories

ONS26009B SMD Test pliers

ONS26008A SMD Test box

ONS10201 Data acquisition software

