



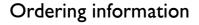
PicoScope 3425 Differential PC Oscilloscope

- No need for expensive differential preamplifiers or probes
- Ideal for measuring lowlevel signals in physics and biology laboratories
- Captures power waveforms from switch mode power supplies and motor inverters

- 4 channels
- 12-bit precision
- 5 MHz bandwidth
- 20 MS/s sampling rate
- 400 V differential and common-mode range
- PicoScope PC Oscilloscope and spectrum analysis software included
- PicoLog PC Data Logger software included
- USB 2.0 for high speed
- Powered by USB port
- Application Programming Interface (API) and example code included

Specifications

Specification	Value	
Vertical resolution	12 bits	
Analagus kanduddd	(16 bits in resolution enhance mode)	
Analogue bandwidth	5 MHz (3 MHz on 100 mV range)	
Channels	(3 PH2 of 100 HV range)	
	7	
Maximum sampling rate Single channel	20 MS/s	
Two channels	10 MS/s	
Three or four channels	5 MS/s	
Capture memory	II.	,
One channel enabled, up to 100 ms		512 k samples per channel
Two channels enabled, up to 100 m		
Three or four channels enabled, up		
Over 100 ms/div	T	2 M samples per channel
Input type	Differential voltage Selectable AC or DC coupling Touch-proof BNC connectors with 4 mm GND sockets	
Input impedance	12.4 M Ω (on 100 mV to 5 V ranges) 10.1 M Ω (on 10 V to 400 V ranges)	
Input capacitance	12 pF	
Common-mode voltage range	30 V (on 100 mV to 5 V ranges)	
to ensure measurement accuracy	400 V (on 10 V to 400 V ranges)	
Maximum safe voltages	40	
Differential	400 V	
Any input above scope GND	400 V (600 V transient)	
Measurement category rating	CATI	
Voltage ranges	100 mV, 200 mV, 500 mV, 1 V, 2 V, 5 V, 10 V, 20 V, 50 V, 100 V, 200 V, 400 V	
Accuracy	Voltage: ±1%	
	Time: 50 ppm	
Linearity	12 bits	
Noise	< 10 LSB	
Operating environment		
Temperature range	0 °C to 40 °C	
I have take a second	(20 °C to 30 °C for quoted accuracy)	
Humidity range	Minimum 5% RH non-condensing Maximum 80% RH non-condensing,	
		using linearly to 50% at 40 °C
Storage environment	111.00	<u> </u>
Temperature range	-20 °C to 60 °C	
Humidity range	5% to 90% RH non-condensing	
Other environmental conditions		Dry environments
		Altitude up to 2000 m
	No pollution,	or only dry, non-conductive pollution
PC connection	USB 2.0 Compatible with USB 1.1	
Power supply	From USB port	
,	4.6 V to 5.25 V DC @ approx. 500 mA	
	No ext	ternal power supply required
Dimensions	255 mm x 170 mm x 40 mm	
<u> </u>	(approxii	mately 10.0 in × 6.7 in × 1.6 in)
Weight	920 g (approximately 2 lb)	
	1	, ,

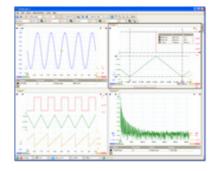


PP454 PicoScope 3425 Differential PC Oscilloscope Kit £975



The 3425 kit is packaged in a tough carry case and includes all the accessories you need:

- Four screened BNC to 4 mm plug leads
- 4 current clamp adaptors
- 2 test probes
- 8 large crocodile clips
- USB cable
- Software and Reference CD
- Quick Start Guide



The PicoScope 3425 has powerful display and analysis capabilities:

- Multiple scope and spectrum views
- Automatic measurements
- Data export in text, binary and graphical formats
- Waveform buffer for storing multiple events

