

Model	CarScope PLUS	CarScope ETER	CarScope PRO
Ditex order code	5020	4400	discontinued
Purpose	Automotive diagnostics	Automotive diagnostics	Automotive diagnostics
Type of device	Engine Analyser (Motortester)	Engine Analyser (Motortester)	Engine Analyser (Motortester)
Common Automotive Tests			
Primary Ignition	√	√	√
Secondary Ignition	√	√	√
Sensors	√	√	√
Actuators	√	√	√
Electrical System	√	√	√
Engine tests	√	√	√
low-speed CAN bus	√	√ ?	√ ?
high-speed CAN bus	√	X	X
PC connectivity			
PC Interface	Local area network technology - LAN	Local area network technology - LAN	Built-in WiFi Wireless
Network Standards	Conforms to the IEEE 802.3 specification	Conforms to the IEEE 802.3 specification	Conforms to the IEEE 802.11 b/g specification
Ethernet cable type	Twisted pair with RJ-45 style connectors	Twisted pair with RJ-45 style connectors	-----
Max. cable length	100 m (328 ft.)	100 m (328 ft.)	-----
Frequency Bands	-----	-----	2.412 - 2.484 GHz
Galvanic isolation	Yes	Yes	Yes
Measurement Inputs			
Channels	4	4	4
Input Impedance	(1MΩ±2%) (25pF±4pF) 50Ω:50Ω±2%	(1MΩ±2%) (25pF±4pF) 50Ω:50Ω±2%	(1MΩ±2%) (25pF±4pF) 50Ω:50Ω±2%
Max. Input voltage	±200V DC+AC peak	±200V DC+AC peak	±200V DC+AC peak
Coupling	DC	AC, DC	AC, DC
Real Input ranges (full scale)	±0.2V; ±0.5V; ±1V; ±2V; ±5V; ±10V; ±20V	±0.5V; ±1V; ±2V; ±5V; ±10V; ±20V	±0.5V; ±1V; ±2V; ±5V; ±10V; ±20V
Vertical Scale	40 mV/div ~ 4 V/div	100 mV/div ~ 4 V/div	50 mV/div ~ 4 V/div
Vertical Resolution	8 bit	8 bit	8 bit
Probe attenuator	1X ; 10X ; 20X ; 10,000X	1X ; 10X ; 20X ; 10,000X	1X ; 10X ; 20X ; 10,000X
Secondary Ignition Inputs	Any input channel (10,000X pick-up clamp)	Any input channel (10,000X pick-up clamp)	Any input channel (10,000X pick-up clamp)
Primary Ignition Inputs	Any input channel (20X probe attenuator)	Any input channel (20X probe attenuator)	Any input channel (20X probe attenuator)

Triggers			
Trigger Source	Ch1, Ch2, Ch3 and Ch4	Ch1, Ch2, Ch3 and Ch4	Ch1, Ch2, Ch3 and Ch4
Trigger Type	Auto, Single Shot, None	Auto, Single Shot, None	Auto, Single Shot, None
Trigger Edge	Rising and Falling	Rising and Falling	Rising and Falling
A/D conversion details			
Max sampling rate	4 independent ADCs 20 mega-samples/sec	2 independent ADCs 1 mega-samples/sec	2 independent ADCs 1 mega-samples/sec
Bandwidth	2 MHz	100 kHz	100 kHz
Memory buffers	32K bytes per channel	16K bytes total	39K bytes total
Vertical Resolution	8 bit	8 bit	8 bit
Power sources			
Power supply range	9V to 36V DC	9V to 36V DC	9V to 36V DC
Power consumption	350 mA max	300 mA max	400 mA max
Size and Weight			
Dimensions, mm	135 (w)x40 (h)x195 (d)	135 (w)x40 (h)x195 (d)	135 (w)x40 (h)x195 (d)
Weight (main unit)	0.4 kg	0.4 kg	0.4 kg
Weight (basic set)	0.95 kg	0.95 kg	0.95 kg