

eSCOPE[®]

Electronic Lab Scope

Training

Features	ATS EScope Pro	ATS EScope Elite	ATS EScope Limited	Snap-On MODIS	PicoScope 4424	Bosch/Vetronix MTS5200	OTC Solarity	Fluke 196
Hand Held (portable)	Yes (PC Notebook attaches to scope)	Yes (PC Notebook attaches to scope)	Yes (PC Notebook)	Yes	Yes (PC Notebook)	Yes	Yes	Yes
Number of Channels	8	4	4	4	4	4	4	2
Color Traces	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (with "C" models)
Scope Timebases	Dual	Dual	Dual	Single	Single	Single	Single	Single
Sample Point Memory Buffer size at full sampling rate	Adjustable, only limited by PC's memory	Adjustable, only limited by PC's memory	Adjustable, only limited by PC's memory	512 Thousand	32 Million	N/A	N/A	3000pt/input ScopeMode 27,500pt/input TrendPlot mode (5ms/div – 2min/div)
A/D Converter Resolution	16-bit (1 in 65,536 vertical resolution)	16-bit (1 in 65,536 vertical resolution)	14-bit (1 in 16,384)	12-bit (1 in 4096)	12-bit (1 in 4096)	8-bit (1 in 256)	8-bit (1 in 256)	8-bit (1 in 256)
Max Sample Throughput	1MS/s	1MS/s	48kS/s	6MS/s	80MS/s	6MS/s	4MS/s	1GS/s
Counter/Timer	2 Channels	1 Channel	No	No	No	No	No	No
Function Generator	2 Channels		No	No	No	No	No	No
Pull Down Circuit (Injector Flow Test)	Yes	Yes	No	No	No	No	No	No
Equation Feedback (Virtual Part Replacement)	Yes	No	No	No	No	No	No	No
No. of Panels to Display Multi-meter	8 (V, I, Pressure)	4 (V, I, Pressure)	4 (V, I, Pressure)	2	0	1	2	1
Pressure/Vacuum Conversion & Tools	Yes	Yes	Yes	Yes	No	No	No	No
Ignition Analysis	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bar Graph Display	Yes	Yes	Yes	No	No	Yes		No
Built in High Voltage Attenuator	Yes (+/- 500V)	Yes (+/- 500V)	Yes (+/- 500V)	No	No	No	No	No
Built in Open Circuit Detection	Yes	Yes	Yes	No	No	No	No	No
Engine Tests	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Reports	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Record Data	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Playback Data	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Print Data to PC software	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Waveform Library	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Built In Help	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Display Resolution	PC Dependent	PC Dependent	PC Dependent	640x480	PC dependant	640x480		320x240
Power Requirements	AC or built in battery	Supplied by PC	Supplied by PC	12V Custom Pack	Supplied by PC	Custom	Custom	Custom
PC Compatible	Yes	Yes	Yes	Yes (with ShopStream)	Yes	Yes (requires TechView)		Yes (requires adapter and FlukeView)
Removable Storage Media	Yes	Yes	Yes	Yes	Yes	No		No
Field Upgradable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Add On Products (limits obsolescence)	Yes	Yes	Yes	Yes	No	Yes	Yes	No
Additional tools Working simultaneously on Same Screen	Yes	Yes	Yes	No	No	No	No	No

Background Color Code: **Best**, **Middle**, **Worst**, **Unattainable or N/A**