| Features | ATS EScope Pro | ATS EScope Limited | Snap-On MODIS | PicoScope 4423 | Bosch/Vetronix MTS5200 | OTC Solarity | Fluke 196 |
|---|---|---|---|---|---|---|---|
| Hand Held (portable) | 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 | 2 |
| Color Traces | Yes | Yes | Yes | Yes | Yes | Yes | Yes (with "C" models) |
| Scope Timebases | 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 | 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) | 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 Rate | 1MS/s (continuous streaming!) | 48kS/s (cont!) | 6MS/s | 80MS/s | 6MS/s | 4MS/s | 1GS/s |
| Counter/Timer | 2 Channels | No | No | No | No | No | No |
| Function Generator | 2 Channels | No | No | No | No | No | No |
| Pull Down Circuit (Injector Flow Test) | Yes | No | No | No | No | No | No |
| Equation Feedback (Virtual Part Replacement) | Yes | No | No | No | No | No | No |
| No. of Panels to Display Multi-meter | 8 (V, I, Pressure) | 4 (V, I, Pressure) | 2 | 1 | 1 | 2 | 1 |
| Pressure/Vacuum Conversion & Tools | Yes | Yes | Yes | No | No | No | No |
| Ignition Analysis | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Direct Secondary Connection | Yes (COP/CNP/DIS/Conventional via EIgnition kit) | No | No | No | No | No | No |
| Ignition Kill (COP/CNP/DIS/Conventional) | Yes | No | No | No | No | No | No |
| Gas Kill (Cylinder Efficiency) | Yes | No | No | No | No | No | No |
| Bar Graph Display | Yes | Yes | No | No | Yes | | No |
| Built in High Voltage Attenuator | Yes (+/- 500V) | Yes (+/- 500V) | No | No | No | No | No |
| Built in Open Circuit Detection | Yes | Yes | No | No | No | No | No |
| Engine Tests | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Reports | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Record Data | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Playback Data | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Print Data to PC software | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Waveform Library | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Built In Help | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Display Resolution | PC Dependent | PC Dependent | 640x480 | PC dependant | 640x480 | | 320x240 |
| Power Requirements | AC or built in battery | Supplied by PC | 12V Custom Pack | Supplied by PC | Custom | Custom | Custom |
| PC Compatible | Yes | Yes | Yes (with ShopStream) | Yes | Yes (requires TechView) | | Yes (requires adapter and FlukeView) |
| Removable Storage Media | Yes | Yes | Yes | Yes | No | | No |
| Field Upgradable | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Built in Web Server for remote viewing | Yes | Yes | No | No | No | No | Yes |
| Add On Products (limits obsolescence) | Yes | Yes | Yes | No | Yes | Yes | No |
| Additional tools Working simultaneously on Same Screen | Yes | Yes | No | No | No | No | No |

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