



Note: All information was gathered by reviewing sales and data sheets published by the manufacturer all errors are unintentional and are the responsibility of the author.

Company Model	Ferret 95	Fluke 88	Fluke 87-3	Fluke 78	OTC 3545	OTC 3543	OTC 3535	Kal Equip KM3002	Kal Equip KM3001	Kal Equip KM3000	Mac Tools EM720	Mac Tools EM710	Snap-on MT596AK	Snap-on MT586BK	Snap-on EEDM512CK	
Part Number	V095-01	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	
Review Date	3/6/03	3/6/03	3/6/03	3/6/03	3/6/03	3/6/03	3/6/03	3/6/03	3/6/03	3/6/03	3/6/03	3/6/03	3/6/03	3/6/03	3/6/03	
Data Source	Engineering	www.fluke.com	www.fluke.com	www.fluke.com	www.otctools.com	www.otctools.com	www.otctools.com	www.actron.com	www.actron.com	www.actron.com	www.mactools.com	www.mactools.com	buy.snapon.com	buy.snapon.com	buy.snapon.com	
Physical Characteristics																
Display	2 Lines	1 Line	1 Line	1 Line	2 Line	2 Line	2 Line	1 Line	1 Line	1 Line	1 Line	1 Line	3 Line	1 Line	1 Line	
Digits	3/12 & 4	4	4	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	4 Banana jJacks	4 Banana jJacks	
Counts	4,000	4,000	4,000	2,000	4,000	4,000	4,000	2,000	2,000	2,000	2,000	2,000	2,000	4,000	4,000	
Character Height	3/4" High	1/2" High	1/2" High	1/2" High	5/8" High & 1/2" High	5/8" High & 1/2" High	5/8" High & 1/2" High	1/2" High	1/2" High	1/2" High	3/4" High	3/4" High	1/2", 1/4", 1/4"	3/4"	3/4"	
Bar Graph	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Back Light	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Inputs	BNC, Amp, Tach w Opt Adapter	4 Banana jJacks	4 Banana jJacks	4 Banana jJacks	4 Banana jJacks	4 Banana jJacks	4 Banana jJacks	4 Banana jJacks	4 Banana jJacks	4 Banana jJacks	4 Banana jJacks	4 Banana jJacks	4 Banana jJacks	4 Banana jJacks	2 Banana jJacks	
Banana Jack Input	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	
Lead Length	5 Feet	5 Feet	5 Feet	5 Feet	5 Feet	5 Feet	5 Feet	5 Feet	5 Feet	5 Feet	5 Feet	5 Feet	5 Feet	5 Feet	5 Feet	
Lead Type	Shielded	Non-Shielded	Non-Shielded	Non-Shielded	Non-Shielded	Non-Shielded	Non-Shielded	Non-Shielded	Non-Shielded	Non-Shielded	Non-Shielded	Non-Shielded	Non-Shielded	Non-Shielded	Non-Shielded	
Multipurpose Lead	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Controls	Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	Rotary/Push Buttons	
RPM																
RPM Type	Inductive	Inductive	No	Inductive	Inductive	No	No	Inductive	Inductive	Inductive	Inductive	Inductive	Inductive	Inductive	Inductive	
2C/4C	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Differential RPM	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Standard/Optional	Standard	Standard	No	Optional \$50	Standard	Optional	No	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	
Volts																
DC Volts	0 - 200 +/-	0 - 1,000 +/-	0 - 1,000 +/-	0 - 300 +/-	0 - 400 +/-	0 - 400 +/-	0 - 400 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	
AC Volts	0 - 200 +/-	0 - 1,000 +/-	0 - 1,000 +/-	0 - 300 +/-	0 - 400 +/-	0 - 400 +/-	0 - 400 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	0 - 1000 +/-	
AC Volts - Pk/Pk	0 - 200 +/-	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
High Impedance	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
True RMS	Yes	No	Yes	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	
250 mSec Peak Capture	No, See Note 1	No	Yes	No	No	No	No	Yes	No	No	No	No	No	No	No	
Ohms																
Ohms	0 - 40M	0 - 40M	0 - 40M	0 - 40M	0 - 40M	0 - 40M	0 - 40M	0 - 40M	0 - 40M	0 - 40M	0 - 4M	0 - 4M	0 - 4M	0 - 4M	0 - 4M	
Diode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Continuity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Protection	Relay	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	Replaceable Fuse	
Cost of Protection	No Charge	\$5 per fuse	\$5 per fuse	\$5 per fuse	\$5 per fuse	\$5 per fuse	\$5 per fuse	\$5 per fuse	\$5 per fuse	\$5 per fuse	\$5 per fuse	\$5 per fuse	\$5 per fuse	\$5 per fuse	\$5 per fuse	
Capacitance	No	No	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No	
Amps																
DC Amps	0 - 600 +/-	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	
AC Amps	0 - 600 +/-	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included	
AC Amps - Pk/Pk	0 - 600 +/-	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Amps Type	Inductive	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Protection	No Charge	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
True RMS	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Inductive Option	Standard	i1010 @\$254	i1010 @\$254	i1010 @\$254	3500-01 @\$170	3500-01 @\$170	3500-01 @\$170	Third Party @\$170	Third Party @\$170	Third Party @\$170	Third Party @\$170	Third Party @\$170	Snap-on @\$130	Snap-on @\$130	Snap-on @\$130	
Low Amps																
Lo DC Amps	10 mA to 20 +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	
Lo AC Amps	10 mA to 20 +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	40 mA - 10A +/-	
Lo AC Pk/Pk	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Amps Type	Inductive	Series	Series	Series	Series	Series	Series	Series	Series	Series	Series	Series	Series	Series	Series	
Protection	No Charge	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	\$5 per Fuse	
True RMS	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Inductive Option	Standard	3rd Party @\$189	3rd Party @\$189	3rd Party @\$189	3rd Party @\$189	3rd Party @\$189	3rd Party @\$189	3rd Party @\$189	3rd Party @\$189	3rd Party @\$189	3rd Party @\$189	3rd Party @\$189	Snap-on @\$199	Snap-on @\$199	Snap-on @\$199	
Temperature																
Lead Type	No	No	No	Thermocouple	No	No	No	Thermocouple	Thermocouple	Thermocouple	Thermocouple	Thermocouple	Thermocouple	Thermocouple	No	
Range	No	No	No	-40 - 2000 F	No	No	No	-40 - 2000 F	-40 - 2000 F	-40 - 2000 F	-40 - 2000 F	-40 - 2000 F	-40 - 2000 F	-40 - 2000 F	No	
Accept 3rd Party Adapters?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Battery																
Volts - Amps	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Battery History	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Parasite Test	Use Low Amps Probe	No	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	No	
Time																
Frequency	200hz to 200 Khz	200hz to 200 Khz	.5hz to 200 Khz	100 hz to 100 Khz	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
mS Up Time	0 - 200mS	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
mS Dwn Time	0 - 200mS	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Dwell mSeconds	0 - 200mS	0 to 200ms	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Percent Dwell	0 to 100%	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Fuel Pump Test																
Fuel Pump RPM	1,000 to 10,000	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Commutators	6,8,10,12	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Fuel Pump Amps	10 mA to 20 +/-	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Fuel Pump AC	10 mA to 20 +/-	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Ign/Fuel Inj Coil																
Coil Peak Amps	0 to 20 Amps	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Coil Build Time	0 - 200mS	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Coil Drive Time	0 - 200mS	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Secondary Ign																
Ignition KV	0 to 35 KV	No	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	No	
Connection Type	Capacitive	No	No	No	Capacitive	Capacitive	Capacitive	No	No	No	No	No	No	No	No	
Standard/Optional	Optional \$79	No	No	No	Standard	Optional \$200	Standard	No	No	No	No	No	No	No	No	
Other Functions																
Relative Zero	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	
Auto Range	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Manual Range	yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Min/Max	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
Hold	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
PC Connectivity	Optional @ \$99	No	No	No	No	No	No	No	No	No	Yes	No	Yes	No	No	
Packaging																
Storage Case	Yes	Yes	Optional @ \$30	Optional \$30	Yes	Yes	Optional	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Protective Boot	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Pricing																
Suggested User \$	549	479	349	249	599	499	269	349.99	349.99	349.99	320	280	459.95	409.95	289.95	
\$ w Lo/Hi Amps Probe	549	922	792	742	958	858	628	708.99	708.99	708.99	679	639	788.95	738.95	618.95	

Note 1 - In the Automotive world, this is used to find the peak voltage of the fuel injector. A better way to test the injector is with current ramping found under the coil button on the Ferret 95