Comparison of Innovations Across Three Generations of Cable Verifiers

	Generation 1 (1990-2008)	**Generation 2** (2008-2026)	**Generation 3** (2026-present)
Level 1 – Ethernet Wiremap Testers	• LED indicators only • Basic testing for open circuits, miswires, and short circuits • Individual wire fault detection possible • Long test times due to sequential LED illumination • No split pair detection	• Monochrome LCD • Backlit display • Wire map displayed using two rows of numbers • Faster testing • Integrated tone generator • Split pair detection	• Color graphical wire map • Precise individual wire identification • Support for multiple remote units • Color-coded wires in tone generator mode • Rechargeable (Li-ion battery)
Level 2 – Wiremap Testers with Length Measurement	• Monochrome LCD • Wire pair length measurement • Wire map displayed using two rows of numbers • Support for additional cabling systems such as coaxial and RJ11/RJ12	• Backlit display • Wire map displayed using two rows of numbers • Support for multiple remote units	• Color graphical wire map • Combined cable length measurement and wire map display • App/Bluetooth connectivity • Precise individual wire identification • User and project management • Cloud synchronization • PDF/CSV reports • Over-the-air firmware updates • Rechargeable (Li-ion battery)
Level 3 – Wiremap Testers with PoE and Advanced Testing Features	• Monochrome LCD • Graphical wire map • PoE testing up to PoE • Tone generator • Link detection up to Gigabit Ethernet • Optional ping function • Hub port flashing function	• Color graphical wire map • Combined cable length measurement and wire map display • PoE testing up to PoE+ • VLAN detection • Support for multiple remote units • Basic test documentation	• PoE testing up to PoE++ • App/Bluetooth connectivity • Precise individual wire identification • User and project management • Cloud synchronization • Over-the-air firmware updates • Additional DC loop resistance measurement per wire pair • Rechargeable (Li-ion battery)