



	1662	1663	1664 FC	1672	1673 FC	1674 FC
New 1670 Series features						
Full-colour touch screen	-	-	-	•	•	•
Li-ion battery	-	-	-	•	•	•
USB-C port supports charging & data transfer	-	-	-	•	•	•
Digital rotary dial - supports new feature additions	-	-	-	•	•	•
Form capture	-	-	-	•	•	•
Project setup	-	-	-	•	•	•
Field updatable	-	-	-	•	•	•
Bi-directional data	-	-	-	•	•	•
660v maximum voltage, 600v volt operation	-	-	-	•	•	•
Pass fail limits	-	-	-	•	•	•
Onscreen help	-	-	-	•	•	•
Voltage drop measurement	-	-	-	•	•	•
Insulation monitoring device (IMD) test	-	-	-	-	-	•
Surge protection device (SPD) test	-	-	-	-	-	•
Save results from additional Fluke Connect™ tools	-	-	-	-	•	•
User-programmable auto test sequence	-	-	-	-	-	•
Shared features between 1660 Series and 1670 Series						
Wiring polarity checker, detects broken PE and N wires	•	•	•	•	•	•
Insulation resistance	•	•	•	•	•	•
Continuity and resistance	•	•	•	•	•	•
Measure motor windings with continuity test (@ 10 ma)	•	•	•	•	•	•
Loop and line impedance	•	•	•	•	•	•
Prospective earth fault current (PEFC/IK)	•	•	•	•	•	•
Prospective short-circuit current (PSC/IK)	•	•	•	•	•	•
RCD trip time / RCD trip current (ramp test)	•	•	•	•	•	•
Measures trip time and current for RCD type AC, A, and F in one test	•	•	•	•	•	•
RCD variable test current	•	•	•	•	•	•
Automatic RCD test sequence	•	•	•	•	•	•
Phase sequence test	•	•	•	•	•	•
Voltage AC, DC, and frequency	AC ONLY	•	•	•	•	•
Insulation at L-N, L-PE, N-PE inputs	250 V, 500 V, 1000 V	250 V, 500 V, 1000 V	50 V, 100 V, 250 V, 500 V, 1000 V	250 V, 500 V, 1000 V	250 V, 500 V, 1000 V	50 V, 100 V, 250 V, 500 V, 1000 V
Continuity at L-N, L-PE, N-PE inputs	-	•	•	•	•	•
EV test 6 ma DC (RCD a/ev, RCD b/mi, RCD-dd)	-	•	•	-	•	•
Earth resistance	-	•	•	-	•	•
Standard auto test sequence	-	-	•	-	•	•
Insulation Pretest™ safety function	-	-	•	-	-	•
Loop and line impedance — mΩ resolution	-	-	•	-	-	•
Auto pass/fail results	-	-	-	•	•	•
Fluke Connect™ app compatibility*	-	-	•	-	•	•
Fluke Cloud™ storage	-	•	•	-	•	•
On/off switchable auto start for RCD and loop test	•	•	•	•	•	•
USB-C / BLE	IR-USB	IR-USB/ BLE	IR-USB/ BLE	USB-C	USB-C/ BLE	USB-C/ BLE
Memory	•	•	•	•	•	•
Z max memory	-	•	•	-	•	•