



Ground Tester Selection Chart



FEATURE COMPARISON	6472	6471	6470-B	4630	4620	3640	3620	6416	6417
Earth Resistance (measures ground rod/grid resistance using auxiliary electrodes)									
3-pole method	●	●	●	●	●	●	●	-	-
4-pole method	●	●	●	●	●	-	-	-	-
Earth Coupling	●	●	●	-	-	-	-	-	-
2-pole (simplified) method	-	-	-	●	●	●	●	-	-
Selective Earth Resistance (measures ground rod resistance using handheld clamps)									
2-Clamp (Clamp On) Method	●	●	-	-	-	-	-	●	●
4-pole plus 1-clamp Method	●	●	-	-	-	-	-	-	-
Tower/Pylon Earth Resistance (measures tower leg ground resistance; individual and total)									
with 6474 GroundFlex Kit	●	-	-	-	-	-	-	-	-
Soil Resistivity/Rho (measures conductivity of the soil/earth)									
Automatic Calculation	●	●	●	-	-	-	-	-	-
Manual Calculation	●	●	●	●	●	-	-	-	-
Continuity/Bond Testing (measures bond points for low resistance)									
4-wire Kelvin	●	●	●	-	-	-	-	-	-
2-wire	●	●	●	●	●	●	●	-	-
Measurement Frequency (supplied by instrument)									
41 to 5078Hz (91 choices)	●	-	-	-	-	-	-	-	-
41 to 512Hz (48 choices)	-	●	●	-	-	-	-	-	-
50, 60, 128 or 2083Hz (4 choices)	-	-	-	-	-	-	-	●	●
Single Frequency: 128Hz	-	-	-	●	●	●	●	-	-
Measurement Current (supplied by instrument)									
>200mA	●	●	●	-	-	-	-	-	-
10mA	-	-	-	●	●	●	●	-	-
Earth Coupling Measurements (computes coupling between neighboring grounding circuits using 3 measurements)									
Earth Coupling	●	●	●	-	-	-	-	-	-
Earth Potential Measurement (variation of the potential around a ground; ratio between 0 and 1)									
V pot	●	-	-	-	-	-	-	-	-
Rs, Rh - Measurements & Displays (auxiliary electrode resistance)									
Electrode Resistance	●	●	●	-	-	-	-	-	-
U Disturbance Measurements & Displays (noise on earth)									
	●	●	●	-	-	-	-	-	-
Software - DataView Compatible									
	●	●	●	-	-	-	-	-	●
Display Type									
Digital LCD - 3 line	●	●	●	-	-	-	-	●	●
Digital LCD - 1 line	-	-	-	●	●	●	-	-	-
Analog - Needle Movement	-	-	-	-	-	-	●	-	-
Power Supply									
Rechargeable NiMH Battery Pack	●	●	●	●	-	-	-	-	-
Batteries (AA or C cells)	-	-	-	-	● (C)	● (AA)	● (AA)	● (AA)	● (AA)
Documentation Links									
Data Sheet - Click to open -->	6472 - DS	6471 - DS	6470-B - DS	4630 - DS	4620 - DS	3640 - DS	3620 - DS	6416 - DS	6417 - DS
User Manual - Click to open -->	6472 - UM	6471 - UM	6470-B - UM	4630 - UM	4620 - UM	3640 - UM	3620 - UM	6416 - UM	6417 - UM
Other Resources - Click to open -->	Ground Test Workbook			Fall-Of-Potential VS Clamp-On Testing			Touch Step Potential		
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