

Limited Approach Boundary Calculator

Compare recorded limited-boundary distances in a review worksheet without deriving a required boundary or entry decision.

Generated October 10, 2026

<https://www.elecatrrix.com/testing-protection-grounding/limited-approach-boundary-calculator/>

Inputs

Input	Value	Unit
Method and version	worksheet-v1	
Voltage basis	Line to line	
Nominal voltage	480	V
Recorded reference distance	3.5	entered unit
Reference unit	ft	
Entered distance	48	entered unit
Entered unit	in	
Qualified-person record	Recorded	
Source reference	record-b	

Results

Result	Value	Unit
Mode boundary type	limited	
Reference distance	42	in
Entered distance	48	in
Distance difference	6	in
Source note	Source reference recorded	
Record comparison	Entered values are comparable	

Calculation details

Detail	Value	Unit
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Calculation basis	The mode converts two recorded distances to inches and subtracts the recorded reference from the entered value.
Boundary	Mode comparison only; this does not output a required boundary or allow entry.

Formulas

reference distance in = recorded reference distance converted to inches

entered distance in = entered distance converted to inches

distance difference = entered distance in - reference distance in

mode status = entered values comparable when the source record is complete

Warnings and limitations

Review worksheet only; it does not output a required boundary or allow entry.