



FIG. 4.8 Several schemes for making low-thermoelectric-voltage connections between the test apparatus leads and the leads from a sensitive voltmeter. Arrows indicate how the components are sandwiched together to make good *thermal* contact between the + and - connections. In illustration (d), the copper blocks are held together simply with a rubber band or insulating strap (not shown). All connections are copper-to-copper, without solder and without solder tinning of anything (leads, alligator clips, or copper washers). When attaching a bare copper wire to a copper tab or block, make sure the wire is in direct contact with the block, as shown in Fig. 4.7.