

630ES Key Switch

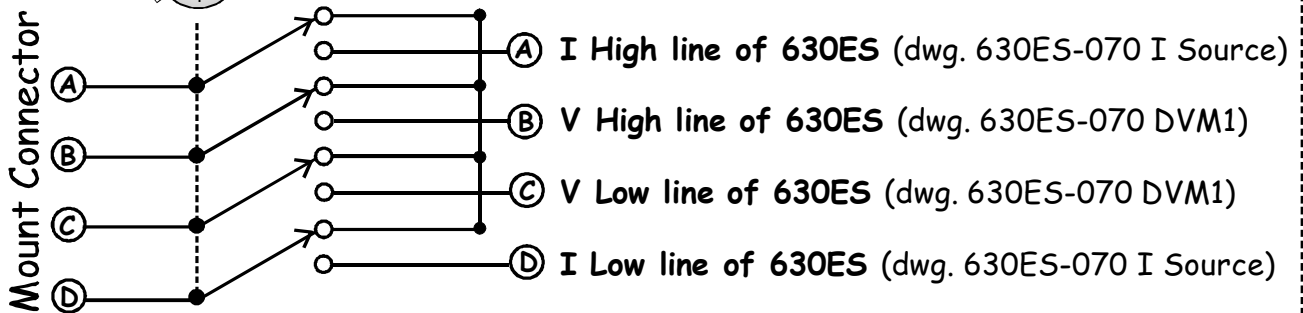
Safe (remove key)

(safe mode shown below)



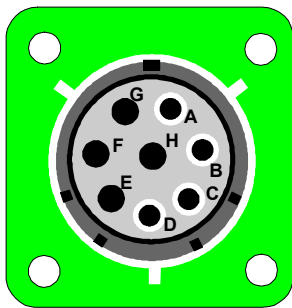
— Measure

J1
630ES Main Panel
Mount Connector



In the locked "SAFE" mode all test lead inputs are shorted together and completely disconnected from all 630ES electronics. In the "Measure" switch position the connector "J1" lines - Ihigh is "ON" for 630ES I high, J1 Vhigh is "ON" for 630ES Vhigh, J1 Vlow is "On" for 630ES Vlow, and J1 Ilow is "ON" for 630ES Ilow

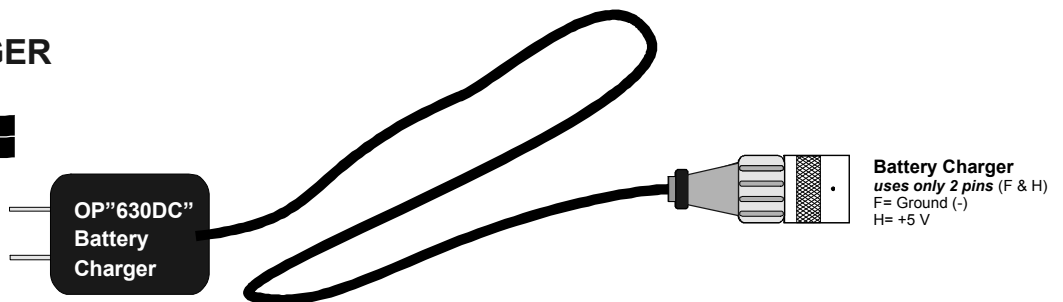
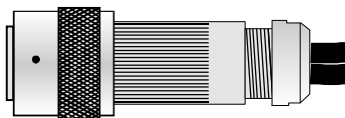
J1 - Main 630ES Front Panel Connector



- A= I High
- B= V High
- C= V Low
- D= I Low
- E=
- F= Ground (-)
- G= Faraday Cage Shield
- H= +5 V

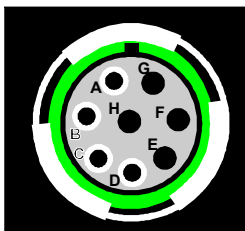
The J1 panel mount connector is the only access the 630ES operator has to the unit's ohmmeter electronics or the battery charging circuitry. Connecting the battery charger mechanically blocks J1 access with the ohmmeter measurement leads (also visa versa). J1 port access with the test leads or battery charger is a case of "either or" but never both. The J1 single access port makes it impossible to be charging the unit's batteries while also measuring a squib or detonators resistance.

CONNECTIONS
TEST LEADS
OR
BATTERY CHARGER



Test Lead and Charger Socket I.Ds

Note: The 630ES Battery charger only uses:
pin/socket contacts H (+5V) and F (- Ground)



- A= I High
- B= V High
- C= V Low
- D= I Low

Pin/socket contacts A, B, C, D, and G (shield) are all that is used by the test leads mating J1 connector.