We claim:

1. An interface (402, 502, 602, 1202) with improved accessibility, the interface (402 502, 602, 1202) comprising:

a housing (430, 530, 630, 1230); and

a meter electronics (420, 520, 620, 1220) disposed inside the housing (430, 530, 630, 1230), the meter electronics (420, 520, 620, 1220) being configured to affix to a connector (450, 550, 650, 1250) extending into the housing (430, 530, 630, 1230);

wherein the housing (530, 1230) is rotatably coupled to the connector (550, 1250) extending into the housing (530, 1230).

2. The interface (1202) of claim 1, wherein the meter electronics (1220) comprises:

an electronics board (1220b); and

a shell (1220s) affixed to the electronics board (1220b), the shell (1220s) being configured to affix to the connector (1250) extending into the housing (1230).

3. The interface (402, 502, 602, 1202) of claim 1, wherein the connector (450, 550, 650, 1250) extending into the housing (430, 530, 630, 1230) is part of a feedthrough (415, 515, 615, 1215) extending from one of a sensor assembly and a junction box.

4. The interface (602, 1202) of claim 1, further comprising a receiving disk (617, 1217) rotatably disposed about the connector (650, 1250), wherein at least a portion of the receiving disk (617, 1217) is disposed between a retention ring (618, 1218) of the connector (650, 1250) and a wall (632, 1232) of the housing (630, 1230).

5. The interface (402, 502, 602, 1202) of claim 4, wherein the meter electronics (1220) further comprises posts (1224p) configured to mate with grooves (1217g) in the receiving disk (1217) and bolts (1224b) configured to mate with threaded holes (1217h) of the receiving disk (1217) and/or the receiving disk (617, 1217) includes lobes (617l, 1217l) that interfaces with one of a groove (618g) and lips (1218b) of the retention ring

(618, 1218) to retain the meter electronics (620, 1220) to the connector (650, 1250) extending into the housing (630, 1230).

6. The interface (1202) of claim 1, wherein the meter electronics (1220) comprises:

a lower meter electronics (1224) configured to affix to the connector (1250) extending into the housing (1230); and

an upper meter electronics (1222) configured to affix to the housing (1230) and configured to communicatively couple to the lower meter electronics (1224).

7. A method for assembling an interface with improved accessibility, the method comprising:

providing a housing;

providing and disposing a meter electronics inside the housing;

providing and extending a connector into the housing; and

affixing the meter electronics to the connector extending into the housing; and

rotatably coupling the housing to the connector extending into the housing.

8. The method of claim 7, wherein providing and disposing the meter electronics inside the housing comprises:

providing an electronics board;

providing and affixing a shell to the electronics board;

providing and extending a connector into the housing; and

affixing the shell to the connector extending into the housing.

9. The method of claim 7, wherein providing and extending the connector into the housing comprises providing and extending a feedthrough from one of a sensor assembly and a junction box into the housing.

10. The method of claim 7, further comprising providing and rotatably disposing a receiving disk about the connector, wherein at least a portion of the receiving disk is disposed between a retention ring of the connector and a wall of the housing.

11. The method of claim 10, wherein providing the meter electronics further comprises providing posts, wherein providing the receiving disk comprises providing grooves and threaded holes in the receiving disk, and the method further comprises providing bolts, wherein the posts are configured to mate with the grooves and the bolts are configured to mate with the threaded holes of the receiving disk and/or wherein providing the receiving disk comprises providing lobes that interfaces with one of a groove and lips of the retention ring to retain the meter electronics to the connector extending into the housing.

12. The method of claim 7, wherein providing the meter electronics comprises providing a lower meter electronics configured to affix to the connector extending into the housing and providing an upper meter electronics configured to affix to the housing and configured to communicatively couple to the lower meter electronics.

13. A method for improving an accessibility of an interface, the method comprising:

determining an operating value; and

adjusting a driving voltage provided to a display based on the determined operating value and a driving voltage-to-actual contrast relationship;

wherein the operating value corresponds to a temperature of a meter electronics providing the driving voltage.

14. The method of claim 13, further comprising determining a contrast value based on the determined operating value and the driving voltage-to-actual contrast relationship and adjusting the driving voltage based on the contrast value.

15. The method of claim 14, further comprising setting a register value in a display driving circuit based on the determined contrast value.

16. The method of claim 13, wherein the operating value is at least one of the driving voltage provided to the display and the temperature of the meter electronics providing the driving voltage to the display.

17. The method of claim 16, further comprising at least one of determining the contrast value from a relationship between the driving voltage and the contrast value and determining the contrast value based on a relationship between the temperature of the meter electronics and the contrast value.

18. A meter electronics (4420) for improving an accessibility of an interface, the meter electronics (4420) comprising:

a processor (4420p) configured to determine an operating value; and

a display driving circuit (4420d) configured to provide a driving voltage to a display (4440) and adjust the driving voltage based on the operating value and a driving voltage-to-actual contrast relationship;

wherein the operating value corresponds to a temperature of a meter electronics providing the driving voltage.

19. The meter electronics (4420) of claim 18, wherein the processor (4420p) is further configured to determine a contrast value based on the determined operating value and the driving voltage-to-actual contrast relationship and adjusting the driving voltage based on the contrast value.

20. The meter electronics (4420) of claim 19, wherein the processor (4420p) is further configured to set a register value in the display driving circuit (4420d) based on the determined contrast value.

21. The meter electronics (4420) of claim 18, wherein the operating value is at least one of the driving voltage provided to the display (4440) and the temperature of the meter electronics (4420) providing the driving voltage to the display (4440).

22. The meter electronics (4420) of claim 21, wherein the processor (4420p) is further configured to at least one of determine the contrast value from a relationship between the driving voltage and the contrast value and determine the contrast value

based on a relationship between the temperature of the meter electronics (4420) and the contrast value.