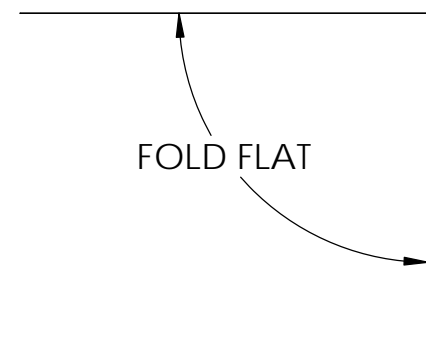
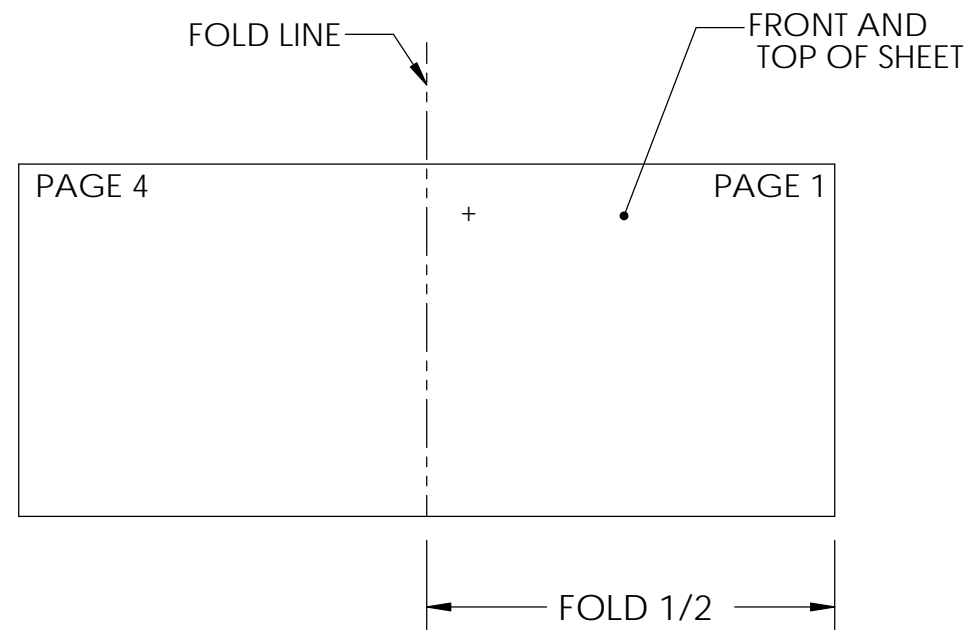


| | | | DWG. NO. 2650-1658-00 | | | | |
|------|-------|---|-----------------------|------------|------------|------------|------------|
| REV. | ECO# | DESCRIPTION | DRAWN BY | DRAWN DATE | MECH. ENG. | ELEC. ENG. | DEPT. MGR. |
| 1 | 21294 | INITIAL RELEASE FOR NEW PART | AMS | 07/13/12 | MRG | - | MRG |
| 2 | 21475 | UPDATED SCREEN WORDING TO MATCH LATEST FIRMWARE | AMS | 10/09/12 | MRG | - | MRG |



NOTES:

- 1) PRINT ON 11" x 17" PAPER DOUBLE-SIDED.
- 2) 5 MILS THICK LAMINATE 11.5" x 17.5"
- 3) SCORE AND FOLD INTO BOOKLET WITH PAGES IN NUMERICAL ORDER.
- 4) DRILL A .25" DIAMETER HOLE ON THE "+" MARK THROUGH ALL PAGES.
- 5) ARTWORK IMAGE ON THIS PRINT IS FOR REFERENCE USE ONLY. CONTACT AUTO METER FOR PRODUCTION ARTWORK.

未经本公司书面许可，任何单位及个人不得以任何方式或理由对上述产品、信息、材料的任何部分进行使用、复制、修改、抄录或传播。凡侵犯本公司版权等知识产权的，本公司必将依法追究其法律责任

| | | | |
|---|--|---|---|
| DO NOT SCALE DRAWING C.A.D. GENERATED DRAWING THIS DOCUMENT HAS BEEN ISSUED FOR ENGINEERING INFORMATIONAL PURPOSES ONLY. ANY REVISIONS TO THE CONTENT OF THIS DOCUMENT MUST BE INCORPORATED INTO THE ORIGINAL CAD FILE. | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS. TOLERANCES ON: .X ± .02 [.508] .XX ± .010 [.254] .XXX ± .005 [.127] ANGULAR ± 0.5° | MATERIAL: | |
| | | FINISH: | |
| THIRD ANGLE PROJECTION | THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED, REPRODUCED OR DISTRIBUTED WITHOUT THE PRIOR WRITTEN CONSENT OF AUTO METER PRODUCTS, INCORPORATED | TITLE: INSTRUCTION, QUICK REF GUIDE, XTC-160 | PRODUCTS, INCORPORATED 413 WEST ELM STREET SYCAMORE, ILLINOIS 60178 |
| | | | SCALE: NTS SHEET 1 OF 3 2650-1658-00 |

| REV. | ECO# | DESCRIPTION | DRAWN BY | DRAWN DATE | MECH. ENG. | ELEC. ENG. | DEPT. MGR. |
|------|------|-------------|----------|------------|------------|------------|------------|
| 2 | - | See Sheet1 | - | - | MRG | - | MRG |

4 How to Use the Tester -Test Only-

IMPORTANT
WEAR SAFETY GLASSES

WARNING: Safety glasses or goggles must be worn when using the tester.

Performing a Test Only **WARNING: Use caution handling if battery temperature exceeds 140°.**

- Startup screen will be displayed automatically when unit is first turned on. Press 'Y' to continue.
- Menu screen will display cursor pointing to >Test Only. Press 'Y' to continue.
- Connect clamps to battery. **Red clamp to (+) Positive battery post**
Black clamp to (-) Negative battery post Press 'Y' to continue.
- XTC-160 automatically measures the battery temperature. Press 'Y' to continue. **NOTE: If the battery is over 180°F, the XTC-160 will prompt you to allow the battery to cool before proceeding with testing the battery.**
- Enter the CCA rating for the battery. Use the + / Up and the - / Down keys to change the rating. Press Y / Enter key to continue once the rating has been entered.
- Scroll down to choose type of battery. **Starting Standard**
Standard AGM
Deep Cycle AGM
Deep Cycle STD
- Confirm Inputs. If inputs are correct, Press 'Y' to continue. If changes are required, Press 'N' to reenter battery information.
- Results/Next Steps are displayed. Next Steps can be viewed on screen by scrolling down using the - / Down button. **NOTE: Next Steps are included on every test result printout.**

| | | |
|---------------------------|--|--|
| Good Battery | Battery is good. | |
| Near End of Life | Battery is ok for mild climate. May not start vehicle in hot or cold conditions. | |
| Good Needs Charge | Battery good but needs to be charged by the store or customer before being returned to service | |
| Charge and Restest | Battery did not have sufficient charge for a complete Load Test. Charge the battery then retest. | |
| Bad Battery | Replace battery. | |



Auto Meter Products Inc.
413 West Elm St
Sycamore, IL 60178
Service (815) 899-0801
Toll Free (800) 883-TEST (8378)
2650-1658-00 Rev. A 10/4/12 www.autometer.com/test

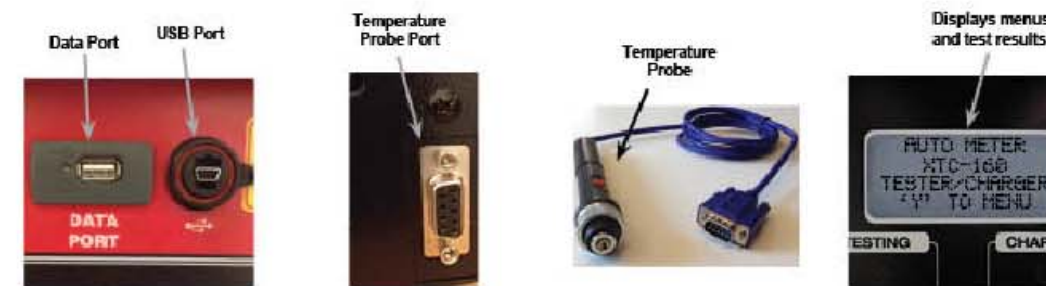
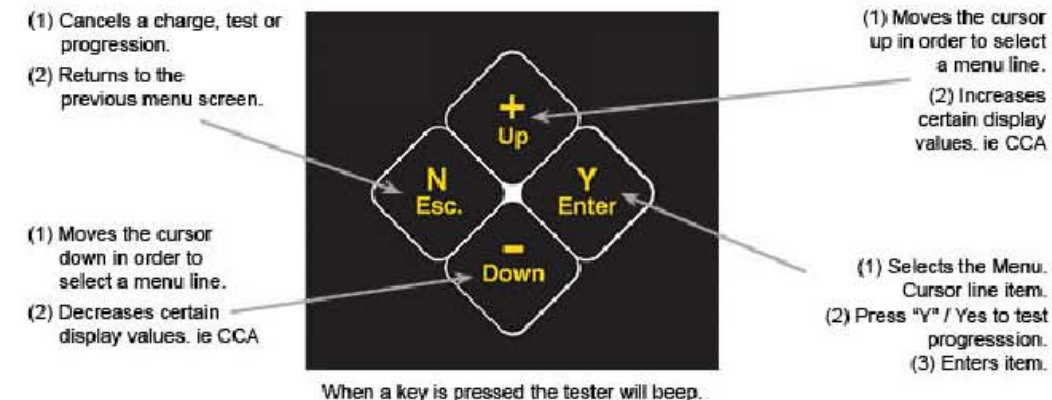
XTC-160 Battery Charging, & Testing System



WARNING!
FOR HYBRID VEHICLES
DO NOT test the starter, alternator and/or 12 volt starting battery while it is in the vehicle.
DO NOT remove, service or test the hybrid battery pack under any circumstances.
Remove the 12 volt starting battery, starter or alternator from the vehicle prior to testing.

Note: Power switch must be ON to communicate with POSI-160.

- Charges and Tests 6 and 12 volt batteries.



| | | | |
|---|--|--------------|--|
| <p>DO NOT SCALE DRAWING C.A.D. GENERATED DRAWING</p> <p>THIS DOCUMENT HAS BEEN ISSUED FOR ENGINEERING INFORMATIONAL PURPOSES ONLY. ANY REVISIONS TO THE CONTENT OF THIS DOCUMENT MUST BE INCORPORATED INTO THE ORIGINAL CAD FILE.</p> <p>THIRD ANGLE PROJECTION</p> | <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS. TOLERANCES ON: .X ± .02 [.508] .XX ± .010 [.254] .XXX ± .005 [.127] ANGULAR ± 0.5°</p> <p>THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED, REPRODUCED OR DISTRIBUTED WITHOUT THE PRIOR WRITTEN CONSENT OF AUTO METER PRODUCTS, INCORPORATED</p> | MATERIAL: | <p>Auto Meter PRODUCTS, INCORPORATED 413 WEST ELM STREET SYCAMORE, ILLINOIS 60178</p> |
| | | FINISH: | |
| TITLE: INSTRUCTION, QUICK REF GUIDE, XTC-160 | | 2650-1658-00 | |

| REV. | ECO# | DESCRIPTION | DRAWN BY | DRAWN DATE | MECH. ENG. | ELEC. ENG. | DEPT. MGR. |
|------|------|-------------|----------|------------|------------|------------|------------|
| 2 | - | See Sheet1 | - | - | MRG | - | MRG |

2

How to Use the Charger/Tester -Charge & Test-



WARNING: Safety glasses or goggles must be worn when using the tester.

Performing a Charge and Test **WARNING: Use caution handling if battery temperature exceeds 140°.**

- Startup screen will be displayed automatically when unit is first turned on. Press 'Y' to continue.
- Menu screen will display cursor pointing to >Charge and Test. Press 'Y' to continue.
- Connect clamps to battery. **Red clamp to (+) Positive battery post**
Black clamp to (-) Negative battery post
- XTC-160 automatically measures and monitors the battery temperature. The XTC-160 will automatically proceed to the next function.
NOTE: If the battery is over 120°F, the XTC-160 will prompt you to allow the battery to cool before proceeding with charging and testing the battery.
- Enter the CCA rating for the battery. Use the + / Up and the - / Down keys to change the rating. Press Y / Enter key to continue once the rating has been entered.
- Scroll down to choose type of battery. **Starting Standard**
Standard AGM
Deep Cycle AGM
Deep Cycle STD
- Confirm Inputs. If inputs are correct, Press 'Y' to continue. If changes are required, Press 'N' to re-enter battery information.
- If battery is deeply discharged, the XTC will slowly recharge your battery. This may extend the charge time needed to accurately test the battery. Battery Charging and Testing Begins...
NOTE: The unit will automatically stop charging if the battery becomes too hot.
- Results/Next Steps Advice are displayed. Next Steps Advice can be viewed on screen by scrolling down using the - / Down button.

| | | |
|------------------|--|--|
| Good Battery | Battery is good. | |
| Near End of Life | Battery is ok for mild climate. May not start vehicle in hot or cold conditions. | |
| Bad Battery | Replace battery. | |

3

How to Use the Tester -Charging Only-



WARNING: Safety glasses or goggles must be worn when using the tester.

Performing a Charge Only **WARNING: Use caution handling if battery temperature exceeds 140°.**

- Startup screen will be displayed automatically when unit is first turned on. Press 'Y' to continue.
- Menu screen will display cursor pointing to >Charge Only. Press 'Y' to continue.
- Connect clamps to battery. **Red clamp to (+) Positive battery post**
Black clamp to (-) Negative battery post
- XTC-160 automatically measures and monitors the battery temperature. The XTC-160 will automatically proceed to the next function.
NOTE: If the battery is over 120°F, the XTC-160 will prompt you to allow the battery to cool before proceeding with charging the battery.
- Enter the CCA rating for the battery. Use the + / Up and the - / Down keys to change the rating. Press Y / Enter key to continue once the rating has been entered.
- Scroll down to choose type of battery. **Starting Standard**
Standard AGM
Deep Cycle AGM
Deep Cycle STD
- Confirm Inputs. If inputs are correct, Press 'Y' to continue. If changes are required, Press 'N' to re-enter battery information.
- If battery is deeply discharged, the XTC will slowly recharge your battery. This may extend the charge time needed to accurately test the battery. Battery Testing Begins...
NOTE: The unit will automatically stop charging if the battery becomes too hot.
- Results/Next Steps Advice are displayed. Next Steps Advice can be viewed on screen by scrolling down using the - / Down button.

| | | |
|--------------------------|----------------------------------|--|
| Charged Battery | Charge is complete. | |
| Failed to Charge Battery | Battery would not accept charge. | |

| | | | |
|---|--|-----------|---|
| DO NOT SCALE DRAWING C.A.D. GENERATED DRAWING THIS DOCUMENT HAS BEEN ISSUED FOR ENGINEERING INFORMATIONAL PURPOSES ONLY. ANY REVISIONS TO THE CONTENT OF THIS DOCUMENT MUST BE INCORPORATED INTO THE ORIGINAL CAD FILE. THIRD ANGLE PROJECTION | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS. TOLERANCES ON: .X ± .02 [.508] .XX ± .010 [.254] .XXX ± .005 [.127] ANGULAR ± 0.5° | MATERIAL: | Auto Meter PRODUCTS, INCORPORATED 413 WEST ELM STREET SYCAMORE, ILLINOIS 60178 SCALE: NTS SHEET 3 OF 3 2650-1658-00 |
| | | FINISH: | |