ACCU-SORT®



An AXIOM-X typically includes:

- AXIOM-X Scan Head
- Wiring Base
- Power Supply

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Options that may be included:

- Universal Mounting Bracket
- Trigger Photoeye
- Height Tracking Photoeyes
- ·····

Time Required: 45 minutes / unit

- Mechanical installation (30 minutes)
- Electrical installation (15 minutes)
- Setup (see AXCESS Quick Start Guide)

Tools Required:

- Phillips Long-Handled #2 Screwdriver
- Slotted screwdriver (1/8")
- Adjustable Wrench (open-ended)
- Tape Measure

Quick Start References:

- AXIOM/AXIOM-X Product Line Manual
- Mounting structure drawings

Other Useful References:

- AXCESS for AXIOM Quick Start Guide
- Interconnect drawings located in AXIOM/AXIOM-X Manual, App. E (p.209): 107480 - Controller/Client with Tach 107481 - Controller/Client/Client w/Tach 107482 - Start/End Trigger Photoeyes
 107483 - Stack Light with Internal Relays 109364 - Height Tracking Photoeyes

NOTICE: Application-specific documentation provided with your equipment may supersede the information provided here.

AXIOM-X[™] Omnidirectional Bar Code Reader Quick Reference Guide

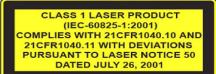
Introduction

The AXIOM-X is designed for easy installation and setup. Use this guide as a cross reference to locate the content you need in the **AXIOM / AXIOM-X Product Line Manual**.

Safety Precautions (Chapter 2)

Observe all safety precautions regarding:

- Power, electrical, grounding (p. 13)
- Electrostatic discharge (ESD) (p. 14)
- Laser Exposure (p. 15)



Observe Laser Safety Warnings on AXIOM-X

Mechanical Installation (Chapter 3, see also mounting illustrations, side 2)

- 1. Assemble mounting structure according to your mounting diagram, if applicable.
- 2. Mount wiring base in the defined location using orientation consideration as a guideline (p. 19-21). A universal mounting bracket is available (p. 24-26).
- 3. Mount the Trigger Photoeye and reflector (p. 30). Mount optional Height Tracking Photoeyes, if applicable (p. 31-32).
- 4. Mount the tachometer, if applicable (p. 33).
- 5. Install optional I/O modules into wiring base, if applicable (p. 34-35).

Electrical Installation (Chapter 4, Appendix E)

Use the wiring base label (see side 2) as a reference when performing electrical installation.

- 1. Properly ground wiring base to protective earth (PE) ground (p. 46-47).
- 2. Connect power supply to wiring base and perform polarity check (p. 51-53).
- 3. Connect Trigger photoeye to Trigger terminal blocks (p. 54).
- 4. Connect tachometer to TACH terminal blocks and use ferrite clamps (p. 55-56).
- 5. Connect RS232/422 communications to SERIAL COM terminals (p. 57).
- 6. Connect Ethernet communications to ETHERNET terminals (p. 58).

Installing Scan Head to Wiring Base

- 7. Connect I/O module wiring to I/O 1 through I/O 4, as required (p. 59-60).
- 8. Install scan head to wiring base as outlined in Chapter 3 (p. 39-42).

Setup and Operations (Chapter 5 and 6)

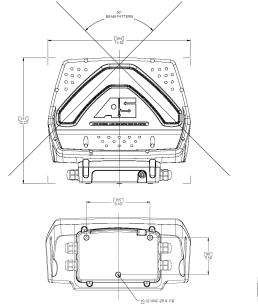
- 1. Use the first-time startup / setup procedures and operations checklist (p. 118-119).
- 2. Use AXCESS and a setup cable (p. 71) or network connection (p. 73) to modify operating parameters (p. 75-104).
- 3. Monitor operations using AXIOM Monitor and Log Viewer diagnostics (p. 124).
- 4. Backup parameters to the wiring base using AXCESS or the connector panel (p.104).



AXIOM-X[™] Quick Reference Guide

Mounting Dimensions (See Appendix E for dimensions with mounting bracket)







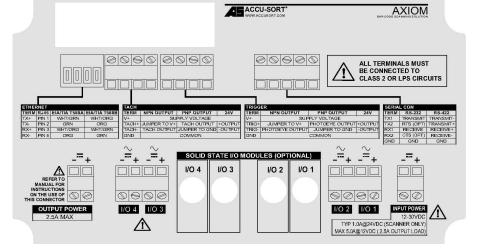
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NOTES: 1) WHEL UNOBSTRUCTED AND WITHOUT POWER SUPPLY. WITH POWER SUPPLY DOWWARD TRAVEL IS LIMITED TO 105°. OTHER OBSTRUCTIONS MAY LIMIT TRAVEL. 2) WHEN MOUNTED ON ACCUSORT STRUCTURE XERUSION. RE-POSITIONING OF MOUNTING BOLTS MAY BE REQUIRED.

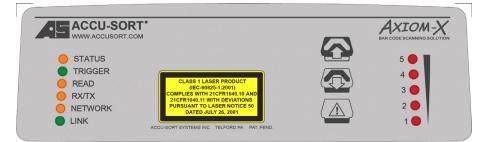
Wiring Base Label

Use the **wiring diagrams** on the wiring base label to determine the proper connections for power, trigger, tachometer, communications and I/O. (*For details, see p. 51–60.*)

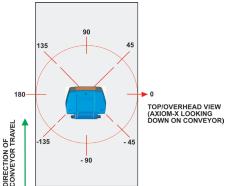


AXIOM-X Control Panel

Use the **AXIOM-X control panel** to monitor operational status including trigger, communications and read quality. (*For details, see p. 120-121, 140-141.*)



AXIOM-X Orientation to Bar Code Scanning Area (See pg. 21, 97-102)



Need further assistance? Contact Accu-Sort Technical Support:

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