



Customer Safety and Operation Guide



Electric Eel Ecam Ace
Pipeline Inspection Camera System

Email: info@electriceel.com

Website: www.electriceel.com

WARNING

Safety Topics



Read and understand all safety and operational guidelines before operating this machine. Failure to follow safety and operations guide could result in death or serious injury. Please visit www.electriceel.com for the manufacturers operation and safety manual for the Ecam Ace.

Safety Checklist



DANGER!!!

TO PREVENT SERIOUS BODILY INJURY:

1. **ALWAYS** wear heavy leather gloves and safety glasses when operating equipment.
2. **ALWAYS** avoid contact of skin, facial area and especially eyes with drain water.
3. Unit should NOT be operated in wet conditions or in the rain.
4. **NEVER** use camera in any line smaller than 3" in diameter.



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DANGER!!!

TO PREVENT SERIOUS BODILY INJURY AND TO AVOID DANGER FROM ELECTRICAL SHOCK:

1. **ALWAYS** use a Ground Fault Circuit Interrupter (GFCI) with a properly grounded outlet for all electrical cords, connections, and parts as installed by factory and **DO NOT** make any alterations.
2. **ALWAYS** check for properly grounded receptable.
3. **ALWAYS disconnect the power cord** from the electrical source before making any adjustments or changes to power units.
4. If an extension cord is used, the power source **MUST** be equipped with a Ground Fault Circuit Interrupter (GFCI) and properly grounded.
5. Only use 14/3 or larger three-wire extension cords.
6. When using an extension cord outdoors, only use those intended for outdoor use. (Indicated on cord by suffix “W-A” after cord type.)

WARNING:

**Do not use in any line smaller than 3” in diameter as fiber optics in cable can break
and result in loss of operation.**



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Tool Application: Inspects 3" – 10" drain/sewer lines up to 200 Ft. • Inspects HVAC Ducts • Inspects Chimneys



The Ecam Ace Pipeline Inspection Camera System is equipped with the following:

1. Rugged Stainless Steel Housed 1.68" Dia. Color Camera
2. Protective Sleeve on Camera Head
3. 200 Ft. of Kevlar Braided ½" Dia. Push Rod
4. 512 Hz. Transmitter in Camera
5. 5.4" LCD Monitor
6. Video Output Jack for External Recording Device
7. Screen Cover for Monitor Protection and Shielding Bright Sunlight



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TOOL OPERATION NOTES:

- The minimum diameter line this camera should be used in is 3”.
- This camera includes a 512 Hz Sonde transmitter located in the camera gooseneck. A locator can be used to pinpoint the camera location underground if digging is required.
- A video output jack is located on the lower lip of the LCD monitor. This may be used to supply video to any external recording device such as a DVD recorder.

Follow the steps below to operate the tool

Step	Action
1	Connect DC power plug to the jack on the reel hub, then plug the AC power plug into the outlet.
2	Press the power button on the monitor – lights on the camera will be on and a picture will be on the monitor.
3	Pull camera head from reel – camera must go through metal guide on side of reel.
4	Slowly push camera into the pipe and negotiate the camera into position to feed down the line.
5	When inserting the camera, make sure the flexible gooseneck does not kink or double back on itself.
6	Push the camera SLOWLY and CAREFULLY during the inspection – taking note of the pipe condition for possible hazards that may entangle or damage the camera on entry or retrieval.
7	While inspecting the line, if resistance is met on the camera and it gets entangled or stuck, slowly push it back and forth to free it.
8	Upon completion of the inspection, slowly retrieve the camera and insert the push rod back in the cage while wiping the push rod off with a dry cloth.

OPERATOR’S MANUAL and MORE INFORMATION AVAILABLE AT:

Website: www.electriceel.com

Toll-Free: 800-833-1212