

1300-027

INSTRUCTION, **DART**[™] CURRENT DRAW

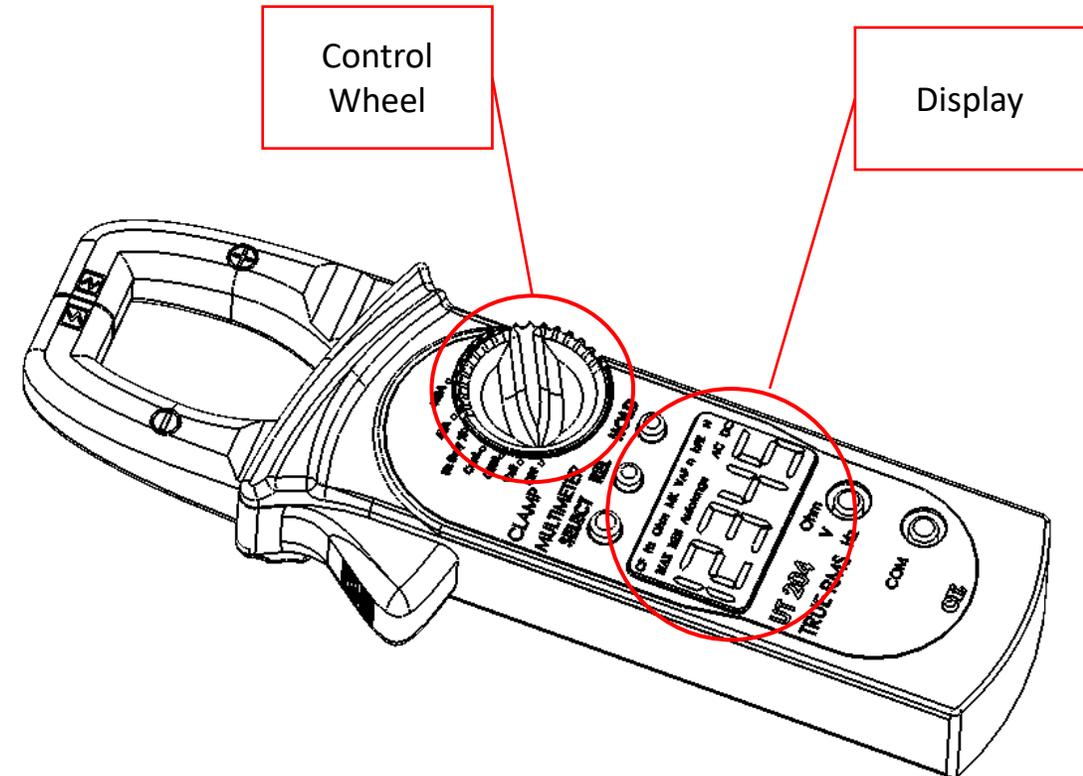
REV	DATE	EC#	DESCRIPTION	DRAWN	CKD
A	2022-04-18		ORIGINATED	JMA	CED

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INSTRUCTION CURRENT DRAW

TOOLS REQUIRED

- AC/DC Ammeter / Multimeter with greater than 50 Amp DC Capacity
 - Example Brands:
 - Signstek / Uni-T, UT210E (100A)
 - Fluke, 325 (400A)
 - Fluke 365 (200A)

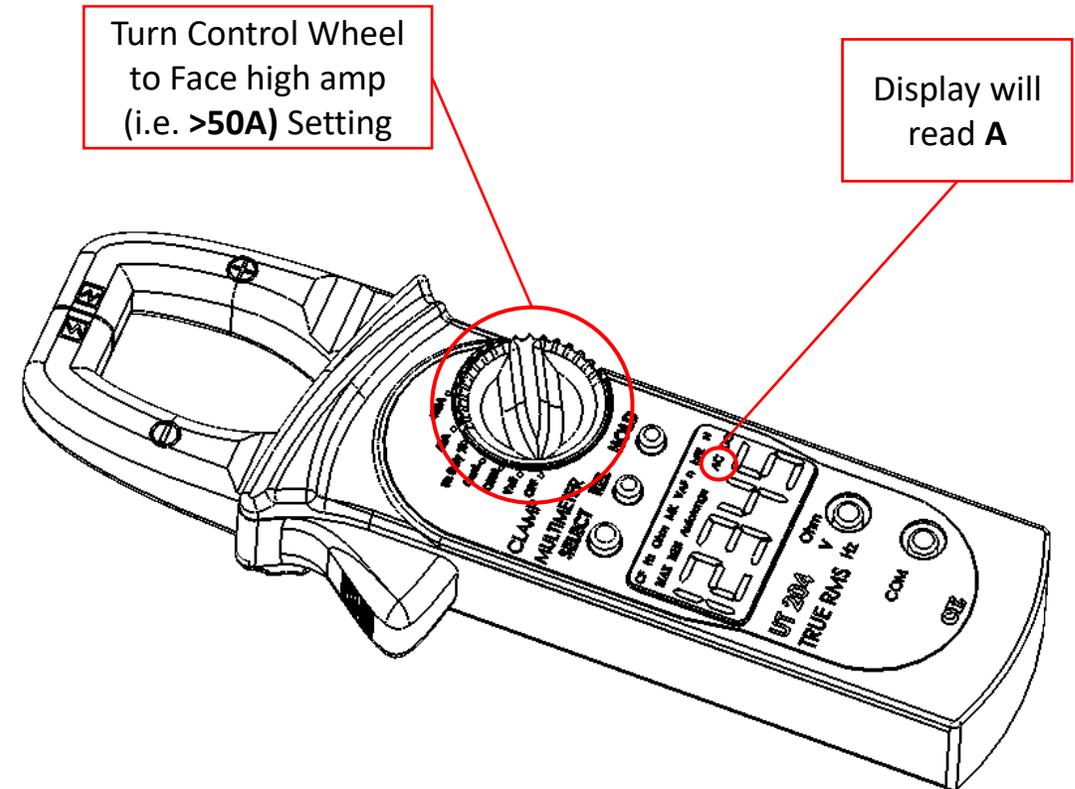


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INSTRUCTION CURRENT DRAW

STEP 1: TURN AMMETER ON

- Turn Control wheel to face high amp (i.e. >50A) setting
- Display will Read "A"
- Note: instruction may vary depending on ammeter model/type used

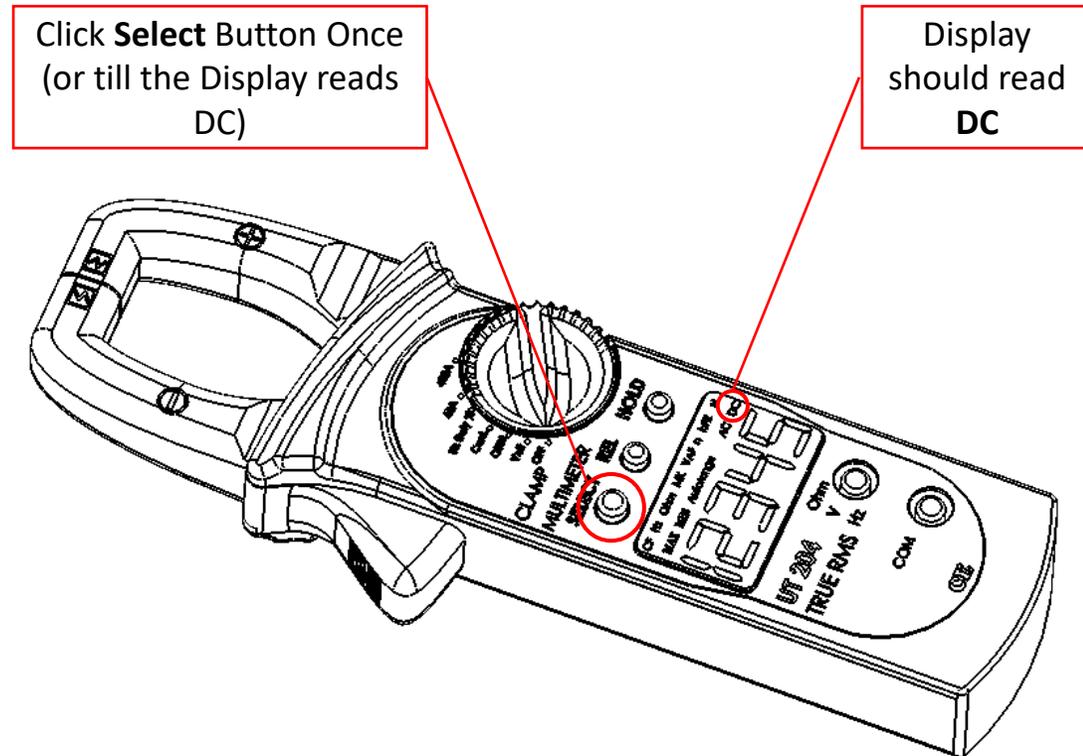


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STEP 2: SWITCH TO DC SENSING

- Click Select button so display reads “DC”
- Note: instruction may vary depending on ammeter model/type used

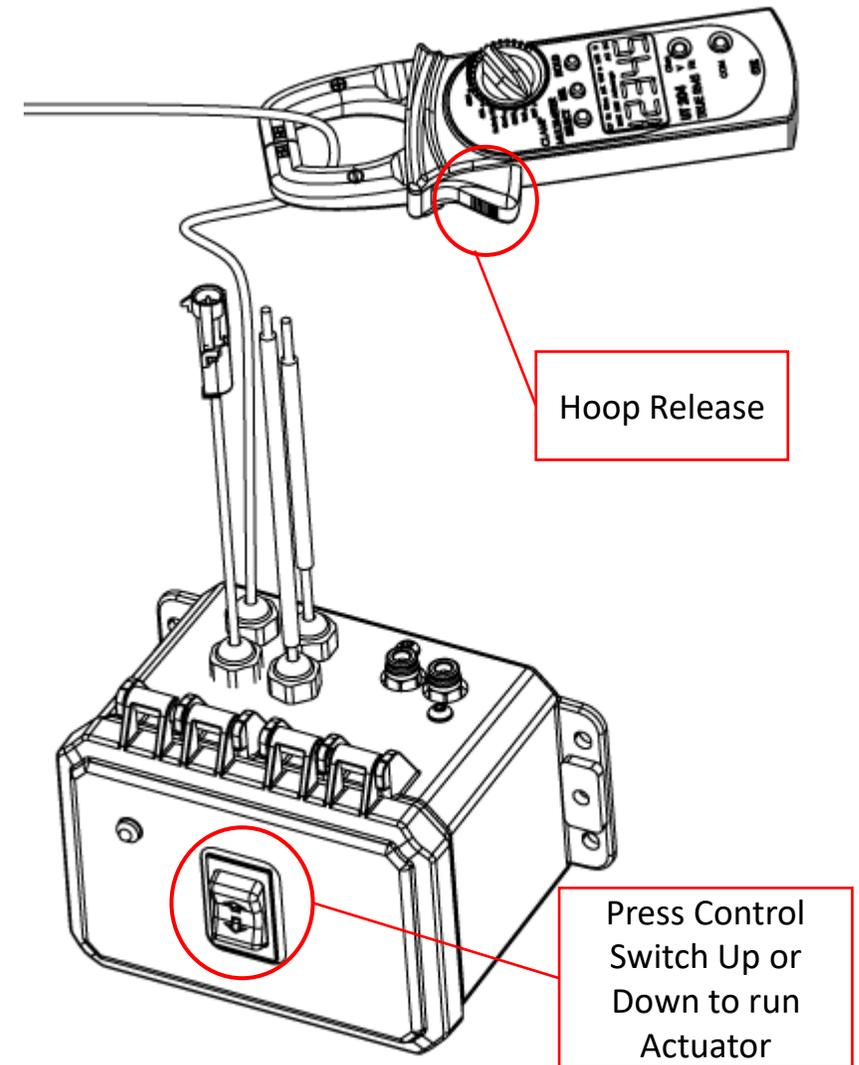




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STEP 3: MEASURE CURRENT

- A. Put **ORANGE** Motor Cable through the hoop by pressing on hoop release
- B. While observing the ammeter, run the DART Actuator by pressing the rocker switch
 - If landing gear is in the **UP POSITION**, press the switch down to lower the landing gear
 - If landing gear is in the **DOWN POSITION**, press the switch up to raise the landing gear
 - Repeat this for the opposite direction as well.





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STEP 3: MEASURE CURRENT

C. Observe sustained current for both directions

- If observed current is > 18 Amps for more than 3 seconds in either direction
 - Inspect the landing gear legs for excess binding and consider replacement of landing gear legs then retest per 1300-030 (Troubleshoot Guide).
- If observed current is < 18 Amps and > 7 Amps during both directions
 - Verify cross bolts and cross shaft to actuator bolts are in place (see installation manual for reference)
 - If bolts are in place and unit is still not operating, check 1300-029 (Air check)
 - If steps from 1300-029 have already been completed and the issue is still present, contact your reseller for DART replacement.
- If observed current is < 7 Amps
 - Inspect and confirm electrical connections between actuator and enclosure for discontinuity
 - If connections are intact and motor is NOT operating, replace motor with kit (P/N K1100-365)
 - If connections are not intact, repair electrical connections and retest per 1300-030 (Troubleshoot Guide).

