

Specification of Heathkit C-3 Condenser Checker

Of similar type: [RC-Bridge C-3U Daystrom Ltd.](#) (*C-3U could mean UK* ; Source : [Nostalgickitscentral](#), modified

Measures unknown capacitors and resistors. All readings are taken from calibrated panel scales – no involved calculations.

Special features:

- Checks paper, mica, ceramic and electrolytic condensers.
- Power factor control for accurate indication of electrolytic condenser measurements.
- Spring return leakage switch automatically discharges condenser under test eliminating shock hazard.

Capacity ranges:

- | | | |
|------------------------|----------------|---------------|
| 1. .00001 mfd-.005 mfd | 10 pF to | 50 nF; |
| 2. .001 mfd-.5 mfd | 10 nF to | 0,5 μ F; |
| 3. .1 mfd-50 mfd | 0,1 μ F to | 50 μ F; |
| 4. 20 mfd-1,000. mfd | 20 μ F to | 1 000 μ F |

DC Leakage Test Polarizing Voltages:

1. 25 volts DC,
2. 150 volts DC,
3. 250 volts DC,
4. 350 volts DC,
5. 450 volts DC.

Resistance ranges:

1. 100 ohms to 50,000 ohms 100 Ω to 50 k Ω ,
2. 10,000 ohms to 5 megohms 10 k Ω to 5 M Ω .

Circuit: AC powered bridge for both capacitive and resistive measurements. Maximum operating of electron beam indicator denotes bridge tolerance.

Cabinet Size: 9½" wide x 6½" high x 5" deep.

Power Supply: Transformer operated-half wave rectifier.

Power Requirements: 110-125 volts, 50-60 cycles AC.

8 lbs.

1953 price: \$19.50.

Main deviations of the Daystrom C-3U from Heathkit C-3:

- Selenium column solid state half wave rectifier instead of [1626](#) valve/tube:
- [EM 34](#) indicator valve/tube instead of [1629](#) type
- 220 VAC mains voltage instead of 115 VAC

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