



- V₁ 5V
- C₁ 220 pF ±5%
- D₁ LED MEDIUM CLEAR
- M₁ METER 1 mA
- Q₁ PNP 100 PHOTO TRANSISTOR
- C₂ 200 Ω
- R₁ 470 OHMS 1/4 WATT
- R₂ 2 MEG OHMS VARIABLE
- R₃ 1000 OHMS 1/4 WATT
- R₄ 50000 OHMS VARIABLE
- R₅ 10000 OHMS VARIABLE
- U₁ 74121 MONOSTABLE MULTIVIBRATOR
- W₁ CABLE 3 CONDUCTOR SHIELDED
- POINT SOURCE AS DESIRED
- REAOUT PACKAGING

(ROTATING LMF MECHANICAL PARTS ON FIG. 4-18.)

UNLESS OTHERWISE INDICATED
 A ALL RESISTANCE IN OHMS
 B ALL CAPACITANCE IN μF

| PPS | MPH |
|------|------|
| 100 | 127 |
| 93.5 | 100 |
| 50 | 53.5 |
| 25 | 27 |
| 10 | 11 |
| 9.3 | 10 |

Fig. 24-19. The simple windspeed indicator spins a disc between an LED and a phototransistor. Four holes in the disc pulse the transistor on and off to fire the one-shot. It maintains a constant pulse duration from the Q output, charging capacitor C2 in proportion to the windspeed. This charge drives the meter upscale.