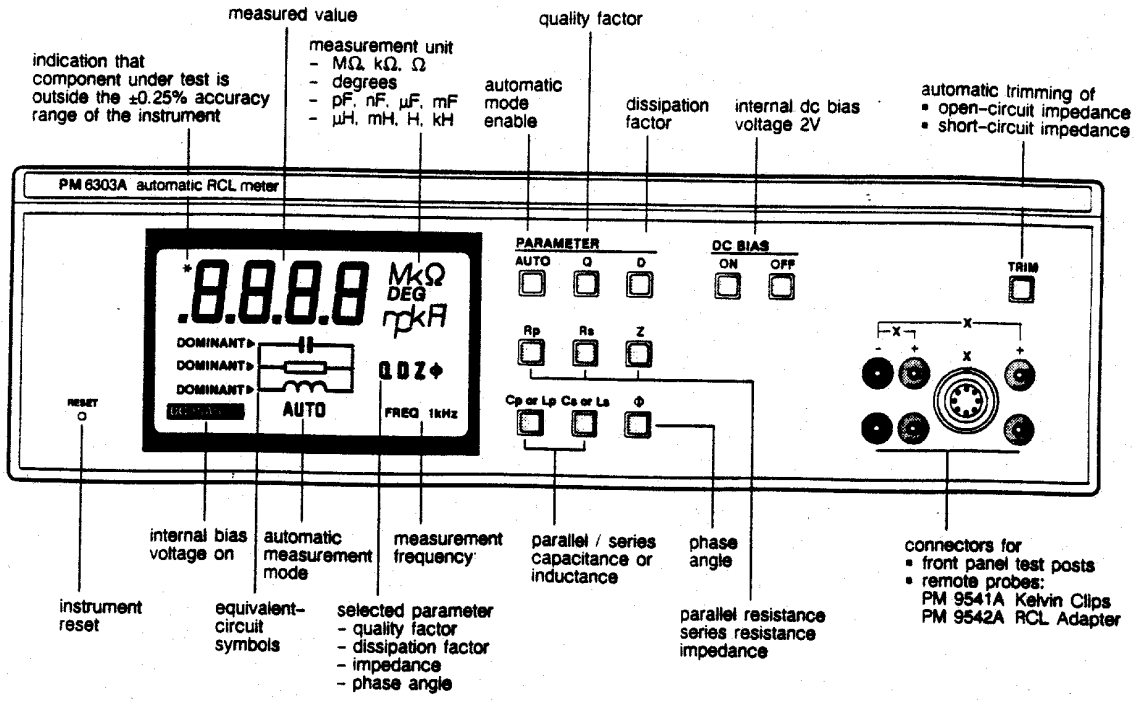
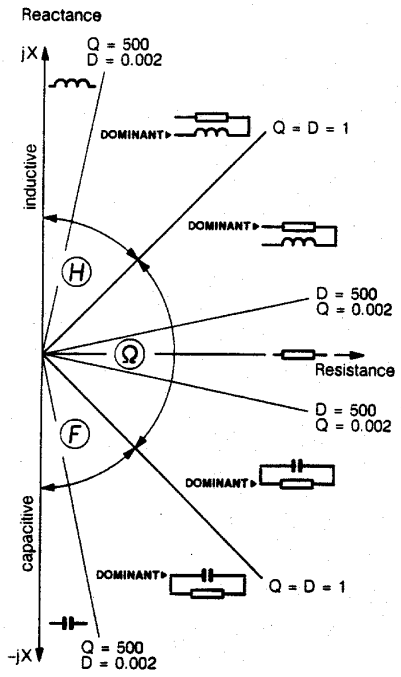
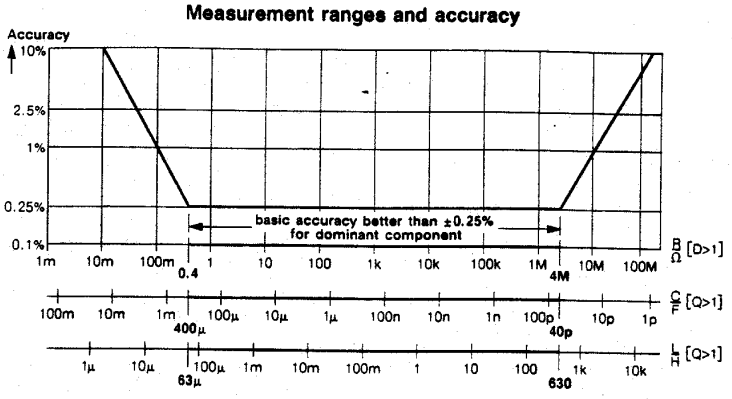
Phillips 6303 RCL Meter Operating Instructions



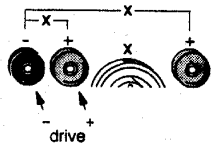
Auto Mode Decision Diagram



Measurement ranges and accuracy



- For SMD components use PM 9542 SMD Adapter
- For larger components use PM 9542A RCL Adapter
- For in-circuit measurement of components use PM 9541A Kelvin Clips Test Cable
- For two-wire measurement plug two normal test leads into the upper connectors



- Center segments of digits flash when
  - component exceeds measurement range (R > 200 MΩ, C > 100 mF, L > 20 kH, Q or D > 500)
  - resistances or inductances are measured with DC BIAS ±V on
- Discharge capacitors before connecting
- **TRIM** compensates
  - contact and line resistances (up to 10 Ω in short circuit)
  - stray capacitances in open circuit
- Measurement frequency 1 kHz fixed
- Measurement update rate: 2 measurements per second