

BASIC ELECTRIC PAPER (I) INDICATION FOR LARGE AIRCRAFT

1* Centralised warning and indication systems :

- Inputs, Outputs warning
- Priority philosophy

2* Measurement of pressure :

- Sensing Elements : capsules , bellows , bourdon , tubes , transmitters
- Displays

3* Measurement of temperature :

- Temp. sensing element
- The moving coil indicator , Ratio meter , system
- Thermocouples , compensation , limits and values
- Servo indicators , control system inputs

4* Measurement of Engine speed:

- Direct drive indicators
- Tachogenerator and insicator system
- Pulse probe systems
- Display

5* Measurement of Fuel quantity:

- Float type, capacitance type - Basic gouge system
- Effect of fuel temp. changes, comensation gouge system
- Location, connection of tank units
- Empty Full position adjustments

6* Lighting systems:

- External systems
- Internal systems normal and emergency, fluorescent, tubes, reading and passenger information systems multiplex function
- Maintenance & teasting for lighting system