

SECTION 6 SPECIFICATIONS

General

POWER SUPPLY

| | |
|----------------|--|
| Voltage | : 105-127 or 205 255 Volts |
| Line Frequency | : 50Hz±2%, 60Hz±2%, or 400Hz±2% |
| Consumption | : Approximately 20 Watts |
| Fuses | : 160mA or 500mA anti-surge (depends on voltage) |

MECHANICAL

| | |
|------------|--|
| Dimensions | : Height = 89mm (3.5ins) Width = 455mm (17.9ins) Depth = 420mm (16.5ins) |
| Weight | : 10 kg (22lbs) |

AUTORANGE

| | |
|------------|--------------------------|
| Range Up | : 200% of nominal range |
| Range Down | : 18.8% of nominal range |

SAFETY

The 1081 has been designed to meet BSI 4743, IEC 348, and UL 1244 specifications.

| | |
|-----------|-------------------------------------|
| Read rate | : with full scale input 2/second |
|-----------|-------------------------------------|

CLIMATIC CONDITIONS

| | |
|------------------------------------|---|
| Operating Temperature | : 0°C to +50°C (except where specified) |
| Storage Temperature ^[1] | : -40°C to +70°C |
| Maximum Relative Humidity | : 75% @ 40°C |
| Warm-up Time | : Two hours to meet all specifications |

OPERATING INDICATIONS

| | |
|---------------------|---|
| Scale length | : 7½ digits maximum, i.e. 19,999,999 |
| Overload indication | : Error 0L displayed : Symbols lit on display and illuminated keys |

DIGITAL ERROR

| | |
|---------------|---|
| Computation | : ±1 digit (assumes no error in stored value) |
| Spec read-out | : < 1% of displayed SPEC |

MAXIMUM INPUTS

See Tables 2.1 and 2.2 on page 2.1

ANALOG OUTPUT (0 to ±2 Volts)

| | |
|---|-----------------------|
| 1 Volt output for full range signal input | |
| Accuracy | : ±1% of Reading ±2mV |
| Output Resistance | : Approximately 200Ω |

[1] Excessive temperature stress may affect calibration stability.