



## 1090 PROCESS & TEMPERATURE CALIBRATOR

- Measures/Simulates 8 thermocouple types PT100-RTD, mV & mA
- Automatic or manual cold junction compensation
- Inching and step functions with time configurable step time
- Memory storage of frequently used values
- Displays units in °C, °F, uV/mV or mA
- Large super-twist LCD display



## 7005 VOLTAGE AND CURRENT LOOP CALIBRATOR

- mA measure 125mA, source 50mA.
- Volts measure 25V, source 21V
- Transmitter and square root functions
- Auto Ranging
- Programmable steps and ramp
- Accuracy 0.01% of reading

## 1048 VOLTAGE & CURRENT LOOP CALIBRATOR

- Measure & Source voltage and current
- Voltage in 3 ranges 0-220mV, 0-2.2V, 0-22V, over range 50V (M)
- Transmitter Function
- Current in 3 ranges 0-220uA, 0-2.2mA, 0-22mA, over range 70 mA (M)
- Voltage & Current accuracy 0.02% FS per range, optional 0.02% FS
- Auto Ranging Hi/Lo Resolution, Ramp and Step functions



## 7006/7007 LOOP-MATES 1 AND 2

- 4 - 20mA or 0 - 10V loops
- Auto-Step output - adjustable rate
- 7 calibration set-points
- TxSim and RxTest (Loop-Mate1)
- RxSim and TxTest (Loop-Mate2)
- Loop drive supply

## 7000 RTD CALIBRATOR

- Source and measure PT100, other RTD types and Ohms
- High accuracy thermometer with PT Probe
- Accuracy +/- 0.05 °C
- °C, °F, K, and Ohms, Programmed steps and ramps and RTD zero





### 7040 DIGITAL PRESSURE CALIBRATOR

- 4½ Digit Display
- Push Button Zero
- Pressure in 5 Standard Units
- Accuracy 0.05% fsd Pressure
- Accuracy 0.05% fsd Current
- 0.2bar / 2bar / 20bar optional ranges

### 7010 SINGLE CHANNEL PRESSURE CALIBRATOR

- Range options from 0.2 to 600bar
- Accuracy 0.04% of full scale
- Pneumatic or Hydraulic
- Over- pressure alarm
- Piezo - resistive pressure sensor
- Loop current measure
- Mains / Battery Power



### 7016 LPR PRESSURE CALIBRATOR

- Regulated Low Pressure
- Accuracy 0.04% of full scale
- Range options from 0.2 to 20bar
- Pneumatic
- Over- pressure alarm
- Piezo - resistive pressure sensor
- Loop current measure
- Mains / Battery Power



### 7050 PROCESS AND THERMOCOUPLE CALIBRATOR

The 7050 Process Calibrator combines the essential functions of measurement and simulation of volts, millivolts, milliamps, and ohms with the direct readout simulation of thermocouples and RTD's in °C or °F units.

Input and Output functions are displayed simultaneously and the switch controls allow for easy and precise operation.

Five calibration points are accessible through a preset percentage selector and all functions may be generated in a fully programmable ramp format.

In addition to the standard calibration facilities the instrument may be used as a signal converter. Any electronic input signal can be converted and output as a proportional signal of 4-20mA, 0-5V or sq. root 4-20mA.

The 7050 is highly adaptable, IPT 68 and ITS 90 curves are accommodated and non-standard thermocouples and RTD's may be programmed on request.



### 7090 and 7095 CALIBRATION PUMPS

- **7090 Pneumatic Calibration Pump**  
Pressure to 40bar, Vacuum to -950mbar
- **7095 Hydraulic Calibration Pump**  
Pressure to 700bar
- Both supplied as kit with carry case, hoses, and fittings
- Optional digital pressure gauges

