

# UNIVERSAL CALIBRATORS



**(BUC 103 M)**



**(BUC 103 B)**

Presents New & unique model of Universal Calibrator suitable for process instruments having mV, mA & RTD signals for calibration of all type of Instruments. Compact battery cum power operated model BUC – 103 which have source / sink facility by rugged mechanical connector & toggle switch. 4-½ digit large display, sufficient large scale for all  $\frac{3}{4}$  sources, self-calibration facilities.

Specialty of our calibrator is RTD readings are direct in degree 'C' instead of ohms / resistance & can feed accordingly. Light weight easy to carry in bag. Mains operated as battery consumption will be less & restricted.

## Features

- Hand held, battery operated Portable.
- Source and Sink for mV, mA and RTD.
- Pt-100 reading directly in terms of deg C.
- Typical Accuracy 0.1%. Battery Low indication.
- Test facility to confirm DPM and stabilized circuit.
- Light weight and with carry bag.
- Only Battery operated and battery cum mains operated.

## Applications

All Digital and Analog instruments related to all process parameters, instruments and sensors having RTD, mV, and mA inputs and outputs.

<b>Power supply</b>	Two Batteries of 9V, Size PP3, Make Eveready or equivalent.
<b>Indication</b>	4 ½ Digit LCD display with 'Battery Low' over-range and polarity indication.
<b>Operating Temp</b>	0 to 50°C
<b>Effect of temp. change</b>	0.002 % / Ref 25°C
<b>Humidity</b>	Max. 90% RH non-condensing
<b>Storage Temp</b>	0 to 70°C
<b>Battery Life</b>	6 Hours in case of continuous operation for full current output. 30 Hours in case of continuous operation for mV/RTD output.
<b>Size</b>	170(H) x 90(W) x 45(D)
<b>Weight</b>	Max ½ Kg.

Function	Range	Resolution at 25 C	Accuracy	Load
DC mV (source/sink)	199.99	0.1 mV	± 1 % of F.S.D.	5 mA max
DC mA (source/sink)	25 mA	10 m V	± 0.1% of F.S.D	5000 at 20 mA
RTD (source / sink)	-100 to +400 ° C OR 247.0 W	100 m W	± 0.15% of F.S.D  (For 0 to 400 ° C)	0.25 watts

AN ISO 9001:2008 Certified Company



## CARE Process Instruments

FF-4, Kaveri Complex, Nr. R.T.O. Circle, Subhashbridge, Ahmedabad-380027.

E : carepiahd@gmail.com & care\_process@yahoo.co.in

T : 079-30151617 & 079-40081550

W : www.careinstruments.com / www.carepi.org

*Specifications subject to change owing to continuous development*