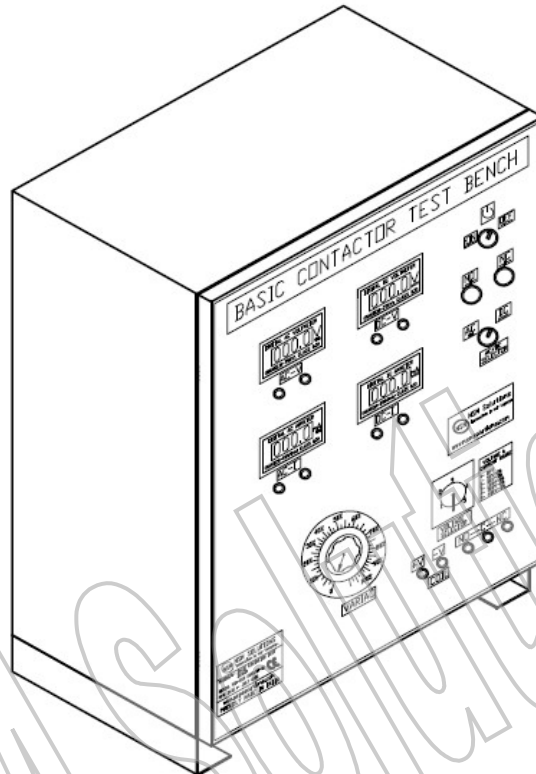


# ItemCode: 2507241153

## Contactor Test Bench, Single Station, Manual

### Rev2



Note – PC based Multiple Station fully automatic Contactor Test Bench with Fixture (Suitable for high volume Production) is also available.

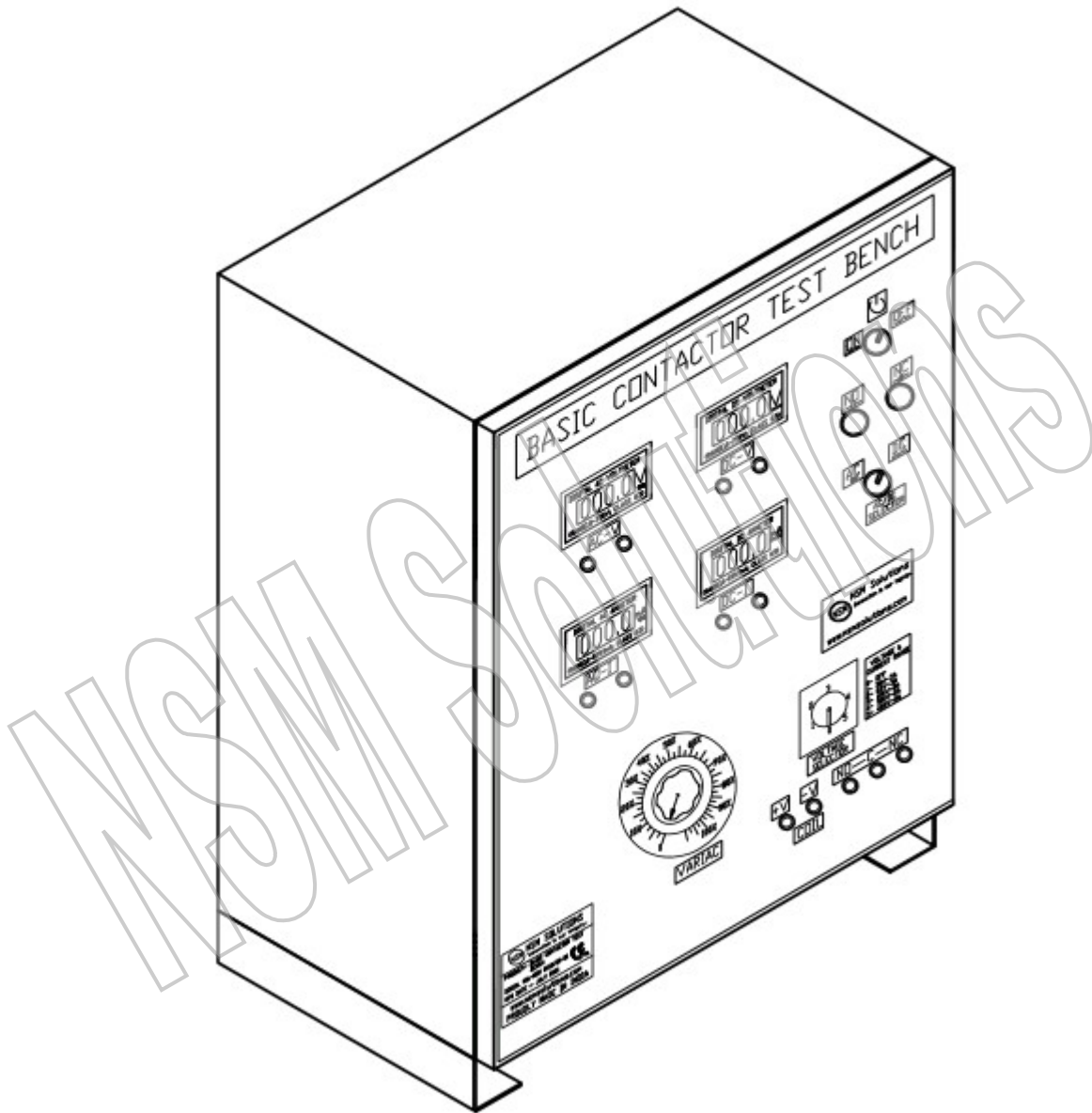
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## A) Tender Requirement Specifications

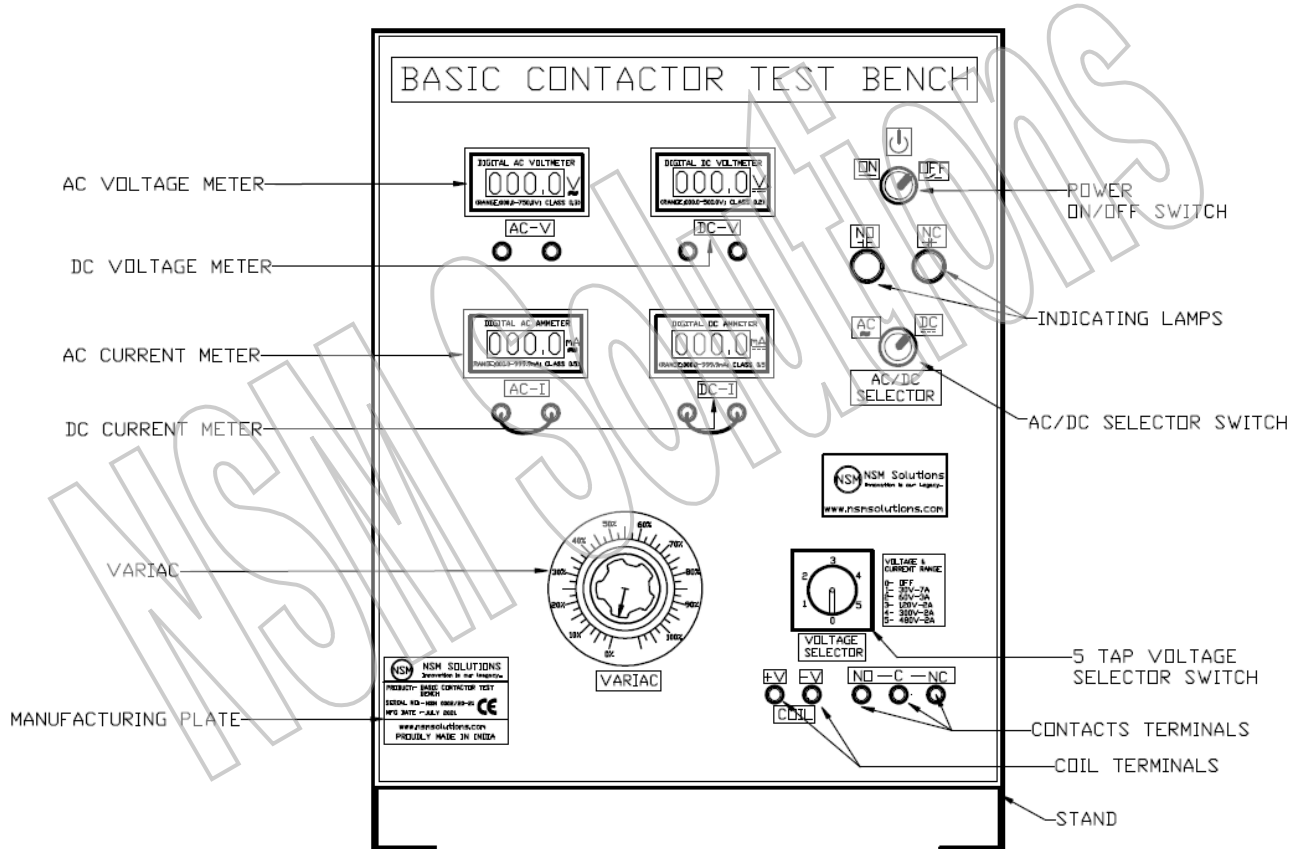
- ✓ “Basic Contactor Test Bench“ should be capable to perform following Manual tests –
  - Pick up Voltage
  - Drop off Voltage
  - Coil Current
- ✓ Entire Test bench as whole should be compliant to protection code of 41B as per IEC 60529.
- ✓ Test bench should be compliant to “Class I” of protection as per IEC 61140.
- ✓ Test bench accuracy should be atleast “0.5 class” or better.
- ✓ Test bench should be able to energize the coils ranging from 0 to 500V, both AC and DC for below Voltage Selection Taps.  
Up to 110V 3A, 220V 2A, 600V 1A.
- ✓ Test bench should be able to digitally display Coil voltage and Holding current up to 1A both AC and DC.
- ✓ Test bench should have NABL back traceable calibration certificate.
- ✓ It should be of duly powder coated with RAL7035.
- ✓ Test bench should have facility for third party verification for its measurement.
- ✓ Test bench should have 2 years of manufacturer’s warranty.

## B) Overview



Pick up Voltage, Drop Off Voltage, Coil Current Measurement for Contactor, Relays etc.  
Fixture is not included in this ItemCode. See Optional Accessories.

## C) Front Controls



- ✓ Entire Test bench is compliant to protection code of 41B as per IEC 60529.
- ✓ Test bench is compliant to “Class I” of protection as per IEC 61140.
- ✓ All Digital Meters are with NABL Back traceable Calibration Certificates.
- ✓ Dedicated provision for Third Party Verification.

## D) Specifications

### D.1) Input

Voltage	230V/110V (As per order)
Frequency	50Hz/60Hz
Phase	Single phase (3 wire - L,N,E)
Current	6 Amp Max

### D.2) Output

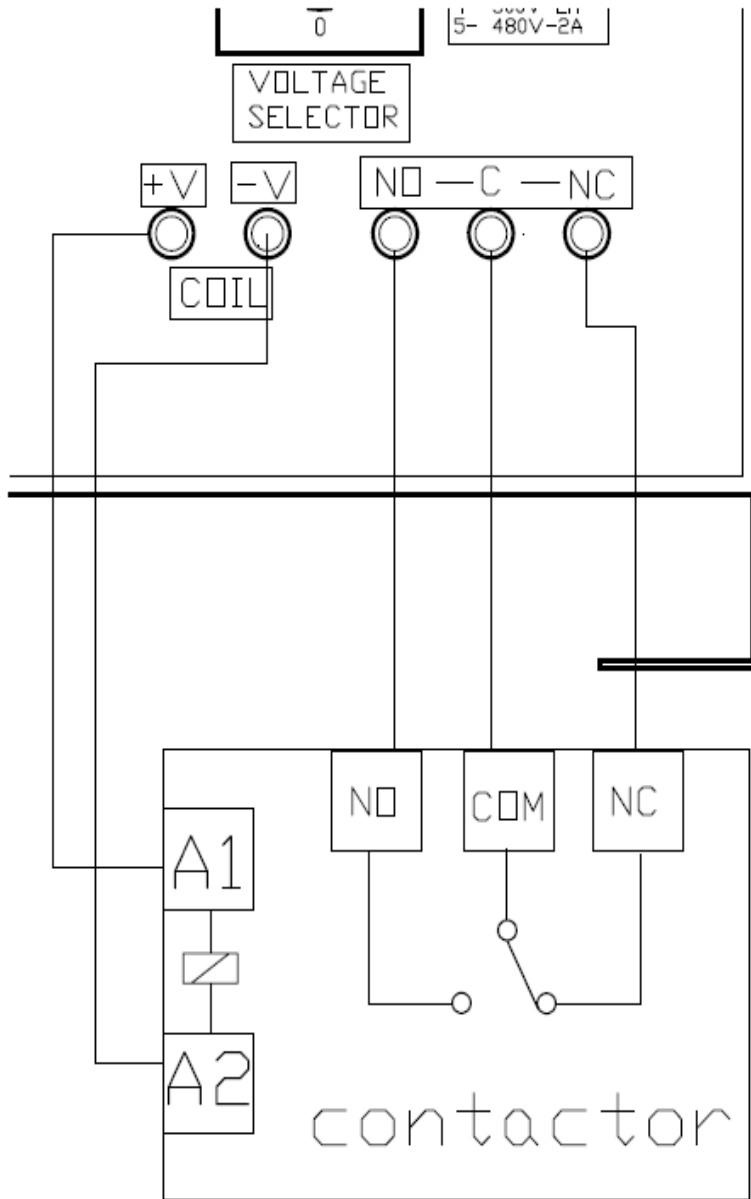
- AC /DC selection by selector Switch.
- 3 Voltage taps (110V 3A, 220V 2A, 600V 1A).
- Output Frequency – Same as input  
(However, if you require different output frequency than input,  
*Eg. Input frequency is 50Hz and, required output is 60Hz.*  
Then you can buy our **Frequency Converter** mentioned in an “**Optional Accessories**” in this document.)
- Manual Voltage variation by Variac.

### D.3) Meters

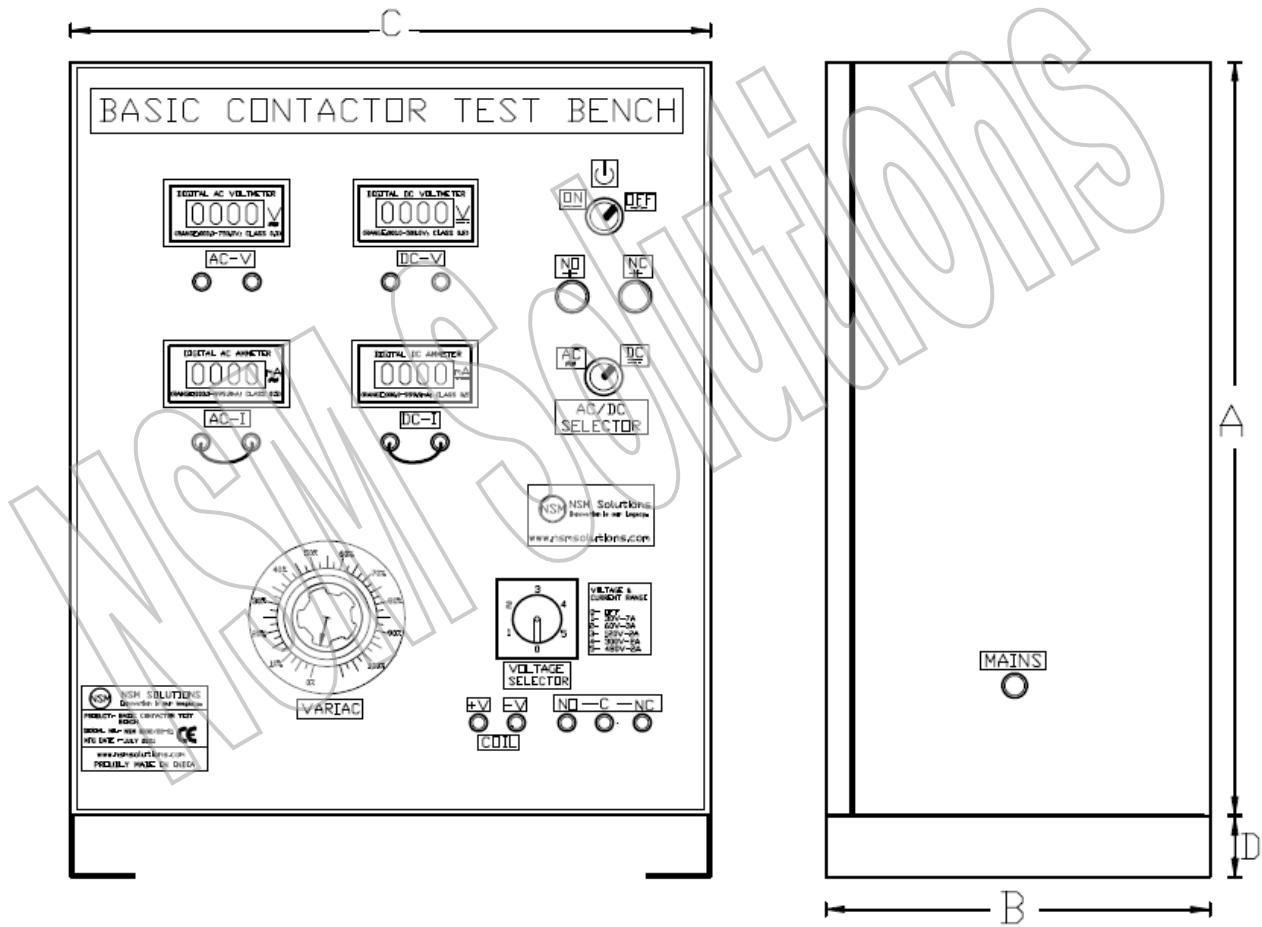
All Meters are with NABL back traceable calibration certificate.

Meter	Range	Least Value	Class
Digital AC Voltmeter	0V-750 V	1V	0.5
Digital DC Voltmeter	0V-1000 V	1V	0.2
Digital AC Ammeter	0A- 2000 mA	1mA	0.5
Digital DC Ammeter	0A- 2000 mA	1mA	0.2

## E) Connection Diagram



## F) Dimension and Weight



UNIT	A	B	C	D
mm(Millimeter)	800	500	800	100
cm(Centimeter)	80	50	80	10
inch	31 1/2	19 11/16	31 1/2	3 15/16

Weight = 25 Kg/ 55.12 Lb approximately.



## **G) Deliverable**

- ✓ Basic Contactor Test Bench
- ✓ Operator Manual
- ✓ NABL Back traceable Calibration Certificates

Fixture is Not included in this Item Code.

## **H) Optional Accessories**

- Fixture – Manual Toggle/ Pneumatic as per your product design and dimensions.
- Frequency Converter – From 50 Hz to 60 Hz
- Frequency Converter – From 60 Hz to 50 Hz
- Safety Gloves, Rubber Matt, Goggles