

“Digital Rockwell Hardness Testing Machine Capacity-150 Kg”
(ON TURNKEY BASIS)

Code No. _____

Qty. – Total 05 Sets
(AAPC Ujjain 01 Set)
(AAPC Bangalore 01 Set)
(AAPC Jabalpur 01 Set)
(AAPC Chalon 01 Set)
(AAPC Bhubaneswar 01 Set)

Specification:

Sr. No.	Description of requirement	Required
	a) Diamond Indenter and 1/16” diameter steel ball indenter are provided as standard b) The measured hardness is displayed on the large Digital Display. c) Test load selection can be easily made with the selection wheel.	Confirm
	Technical specification	
1	Preliminary test force	98.07N (10 kgf), 29.42 (3 kgf)
2	Test force	588.4N (60 kgf), 980.7N (100 kgf), 1471N (150kgf), 147.1N (15 kgf)
3	Hardness increment	0.1
4	Test force setting	By Dial
5	Load Control	Automatic (loading, duration, unloading)
6	Anvil	Flat (Ø64 mm)
7	Max. Specimen height	140 mm
8	Max. Specimen Depth	122 mm (from the centre of the Indenter Shaft)
9	Data Output	Dogmatic code (SPC) and centronics
10	Accessories (for each no. of machine)	
10.1	Diamond indenter (3 nos.), 1/16” Dia. steel ball Indenter (3 nos.), spare 1/16” steel ball (3 nos.), spot anvils, V-anvils hardness test block (30HRC-35HRC, 45HRC-50HRC, 60HRC-65HRC), clamping device, round table , instruction manual etc.	Confirm
11	Documentation	

11.1	Operating instruction	Confirm
11.2	Installation and Commissioning instruction	Confirm
11.3	Quality Test Records/Certificates	Confirm
11.4	Maintenance / repair charts	Confirm
11.5	Preventive maintenance instructions	Confirm
11.6	Requirement/recommendation for power supply controlled stabilizing has to be given	Confirm
11.7	Lifting instruction mentioned in packing list	Confirm
12	Installation and Commissioning	
12.1	The complete installation and commissioning must be carried out by the supplier at the final destination/premises. Certificate of acceptance is to be signed by customer and supplier.	Confirm
13	Training at installation place	
13.1	Operator training/ Maintenance course (Mechanical, Electrical and Electronic)	2 days
13.2	Detailed packing list of all items and devices and detailed prospect of Table and all other accessories enclosed in respective boxes	Confirm
14	Vendor shall define list of spares and submit for record (if any)	Confirm
15	Warranty	Min 24 months

Delivery period including installation & commissioning:

The delivery period including installation & commissioning of all of the machines at the destination mentioned in Para 1 on page no. 02 of the tender documents will be 04 months from the date of placement of Purchase Order/work contract.

Warranty:

The entire machine inclusive of all system/accessories should be covered under warranty for a period of min. 24 months from the date of commissioning.

Note:

1. Machine shall be supplied with 3 sets of comprehensive operation and maintenance manual.
2. Breakdown calls to be attended within 48 hrs.
3. Supply to be done on Turnkey Basis. ALIMCO shall provide electrical supply point near to the place of installation.
4. Civil foundation details and drawings with specifications to be provided by the tenderer.
5. Total power consumption (in KW) to be provided by the tenderer.