

“Digital Spirit Level”

Code No. _____

Qty. – 01 Set.

S.No.	Description of requirement	Required
1	Salient features Required	Confirm
1.1	Digital display for both degree & graphic indicators.	
1.2	Precise, speedy & reliable measurements	
1.3	Final site works can be inspected and measured with confident	
1.4	Displayed angles are assisted by 4 directional graphic indicators (X,Y axis).	
1.5	Beep sound assist to levelling working object at any angle held.	
1.6	Can attach to metal surface and enable user hand free operation	
1.7	Extended length of battery life using 4 x AAA batteries.	
1.8	Easier to transfer reference point	
1.9	Auto reverse reading of LCD display	
1.10	Digital display of angle in °(Degree), %(slope) mm/M, In/Ft	
1.11	Alternate Zero feature	
1.12	5 Minutes auto off	
1.13	Buzzer sound	
1.14	Auto off	
2	Technical Specification	
2.1	Measurement Range (Single axis mode)	0 to 14400 arc sec (0.0000° to +_ 4.0000°)
2.2	Measurement Range (2-axis mode)	0 to 7200 arc sec. (0.0000° to +_2.0000°)
2.3	Resolution	1 arc sec. at 0~1080 arc sec. +_ 3 arc sec. at other angles
2.4	Repeatability	1 arc sec (<_ 5 µm/M
2.5	Measurement speed	<_ 5 sec.
2.6	Vibrometer (Relative g)	2.0
2.7	Display	Colour TFT LCD
2.8	Power supply	4 x AAA 1.5 V Batteries / USB power source
2.9	Material	PC ABS / cast Iron / Titanium
2.10	Connectivity	USB 2.0 cable (<_ 5 metre) Blue tooth (<_30 metre)

2.11	PC SYNC Software	Professional Edition (Included)
2.12	Operating Temperature	+10 °C to +60 °C (Calibrated for entire temperature range)
2.13	Storage Temperature	-20 °C to +60 °C
2.14	Dimension (mm) (Approx)	188 X 62 X 37
2.15	Nett Weight (Approx)	1150 gram
3	Documentation	
3.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery
3.2	Operating instruction	
3.3	Maintenance / repair charts	
3.4	Preventive maintenance instructions	
3.5	Requirement/recommendation for power supply controlled stabilizing has to be given	
3.6	Lifting instruction mentioned in packing list	
3.7	Detailed invoice and packing list of all items and devices and detailed prospect of machine and all other accessories enclosed in respective boxes	
4	Accessories (To be provided along with Digital Spirit Level)	
4.1	Ultra Precision Digital Level with vibrometer and Blue tooth function	1 unit
4.2	Certificate and calibration	1 unit
4.3	AAA Batteries	4 pieces
4.4	USB 2.0 cable (3 metres)	1 piece
4.5	PC Sync. Programming Software and security Dongle	1 Piece
4.6	M5 Button head screws	3 pieces
5	Warranty	At least 24 Months
6	Delivery Time	1 Month

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 **01 month** 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 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.