#### B. Outline of Apparatus

#### 1. Automatic Level



#### Source:

(http://img.diytrade.com/cdimg/636179/4720826/0/1195520062/32 X\_automatic\_level.ipg )

A Professional Leveling Tool used by Contractors, Builders Land Surveying Professionals, or the Engineer who demands accurate leveling every time (Tngineering Supply, 2014).

#### 2. Adjustable Leg Tripod

#### Source :

(http://www.vsaservicesindia.com/images/products/accessories/larg e/1.ipg)

Adjustable-leg tripods is easy to set up on ground because each leg can be adjusted to exactly the height needed to find level, even on a steep slope (Johnson Level, 2010).



#### 3. Optical Plummet



#### Source :

(http://www.hayesinstrument.com/accs\_TopconTribrachOP.jpg.)

A device on some transits and theodolites; used to center the instrument over a point, in place of a plumb bob, which moves in a strong wind. (McGraw-Hill, 2008).

# **Site Surveying And Levelling**

**Lingsheng Yao** 

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<u>Site Surveying and Levelling</u> John Clancy,2013-03-07 This popular and useful text has been completely revised and up dated so that it forms and indipensible handbook for any student of surveying An additional chapter on modern developments is included and the text has also been extended to cover ordnance survey calculation of areas computation of true horizontal length measurement of vertical angles Code of Measuring Practice curve ranging and calculations of volumes for earthworks

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