

How To Avoid Future Problems By Properly Utilizing Calibration Equipment

Posted on April 10, 2013 by [admin](#)

How To Avoid Future Problems By Properly Utilizing Calibration Equipment

Investing in multi-use calibration equipment is a quality way to prevent a number of future problems when creating new infrastructure. Handheld equipment can be used to accurately measure lengthy spaces, plot XYZ coordinates on existing topography, and enter all pertinent information to almost any computer that has a USB port. Instead of spending painstaking amounts of time measuring, re-measuring, and manually entering data coordinates, invest in multi-use equipment to get the best return on investment while reducing the possibility of human error.

Physical consequences of inaccurate surveying and measurement

Structural integrity of a large building, parking lot, paved road, etc. can be jeopardized by inaccurate surveying and measurement. The foundation for a large building can have poor structural integrity as a consequence of human error or poor practices in measurement. Although the foundation would be unlikely to show serious signs of damage during or shortly after construction, foundation issues can be among the most costly structural repairs. In addition to being costly, signs of problems with the foundation of a building (e.g. a crack in the foundation) can be indicative that the structure is unfit for habitation due to the risk of the structure collapsing in the event the foundation were to fail.

Large paved surfaces may appear to be almost flat against the ground. However, it is wise to have a 1%-2% gradient on a large paved parking lot to prevent flooding and the subsequent damage to vehicles parked on the lot. Unlike soil or vegetation, paved surfaces cannot readily absorb rainfall. Instead, **calibration equipment must be used to**

design a feasible gradient based on soil composition and corresponding drainage system.

Property disputes and property line management

Calibration equipment is also invaluable when evaluating property lines that may seem unclear. Knowing the exact property lines of a given location can affect a number of factors besides knowing where a specific property begins and ends. Other ramifications of property disputes may include water rights, rights to other natural resources, rights to build on specific property, issues with taxation, and the rights to plant trees and vegetation on a specific piece of property. The consequences of losing a property dispute can involve varying legal ramifications along with unhappy neighbors.

Benefits of utilizing multi-use calibration equipment

Investing in the right equipment can save time, money, and reduce the consequences associated with human error. The right equipment can make a number of high-stakes processes more efficient. Instead of hiring a team to conduct multiple measurements, enter data, and check for quality control, invest in easy to operate and effective calibration equipment.

Source: <http://www.testinstrumentsafrica.com/wordpress/how-to-avoid-future-problems-by-properly-utilizing-calibration-equipment/>