FOIF

DSZ1 Precision Level



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Introduction

In order to cope with the situation of a large number of counterfeit FOIF DSZ2 level and meet the needs of the market, we launched an upgraded product of DSZ2, which is DSZ1 precision level patented by the government.Based on the original DSZ2, DSZ1 increases the 45mm aperture and 32x magnification to the 50mm aperture and 38x magnification, so that the imaging clarity (optical system image quality<3") has been greatly improved, and the standard deviation of round-trip measurement per kilometer has been increased from 1mm(DSZ2) to 0.7mm without the need for additional plate micrometer. In terms of appearance, the edges and corners around are designed with arc chamfers and new arcs before and after penetration, which not only increases the beauty of the appearance of the instrument, but also has the function of a gripper, improves the practicality for users.The structure is designed with a built-in circle, which not only makes the circle reading more accurate, but also improves the dust and water resistance. It can effectively prevent dust and water, and the sealing level can reach IP55, the stability of the instrument is improved. The appearance of the instrument is beautiful, coordinated, practical, and more convenient and fast to use.

Application

The main purpose of DSZ1 precision level is used for national second and third class level measurement, construction engineering measurement, deformation and settlement monitoring, mine measurement, large machinery and industrial equipment installation, tool processing measurement and precision engineering measurement, mine measurement, etc., which can greatly improve the operation efficiency and measurement accuracy.

Feature

- The standard deviation of round-trip measurement (i.e., instrument accuracy) per kilometer can reach 0.7mm , which fully meets the requirements of second-class level measurement.
- There is no need to attach a plate to achieve the accuracy of the original DSZ2 level + FS1 parallel plate micrometer
- Telescope aperture is 50mm.
- Magnification is 38x.
- Optical system image quality<3"
- Built-in circle makes the horizontal reading more accurate and convenient, meanwhile effectively protects the circle.

Specification

Technical data	
Standard deviation of 1km double run	≤1.0mm with common levelling staff ≤0.7mm with indium steel millimeter staff
Telescope	Erect
Magnification	38×
Objective aperture	50mm
Min. focus distance	1.6m
Multiplication constant	100
Addition constant	0
Compensator working range	±15′
Setting accuracy	±0.3″
Circular level sensitivity	10′ /2mm
Setting time	⩽2S
Working temperature	-30°C~ +50°C

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Note: Illustrations, descriptions and technical specifications are not binding and may change.

DSZ1 2024.07