

KNF-
EQUIPSERV-
01

Length Field Measuring Equipment Calibration (KOLAS-Accredited Calibration Organization)

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KOLAS-Accredited Calibration Organization is an institution that has been officially approved for quality management system and calibration capability according to the National Standards Act and guidelines for the designation of a certified calibration institution, and provides calibration certificates recognized at domestic and foreign country.

Instrument calibration is to provide users with reliable calibration technology by periodically dividing the instrument's range of use into sections and providing calibration certificates including measurement uncertainty based on statistical techniques.

Description

● Purpose and Necessity

- To demonstrate measurements that may be affected by instrument use, wear, decrepit, and changes in the environment are within the allowable range by maintaining traceability with national measurement standards
- To ensure homogeneity and performance of the product in the manufacturing and inspection processes and to ensure external reliability of the measurement results

< KOLAS Accreditation >



● Calibration Item

- KOLAS Accredited Field
- Linear dimension & Various Dimensional

Field Code	Item of Calibration	on-site
102. Linear dimension		
10214	Gauge blocks, by comparison	N
10216	Height gauges/measuring machines	N
10228	Cylindrical plug/wire pin gauges, Thread measuring gauges	N
10230	Cylindrical ring gauges	N
106. Various Dimensional		
10605	Dial/Digital gauges	N
10609	Micro indicators, Test indicators	N
10612	Inside micrometers	N
10613	Outside micrometers	N



< Gauge Blocks >



< Gauge Block Comparator >



< Precision Length Measuring Machine >



< Electronic Micrometer >

Distinctiveness

● Characteristics

- Operating KOLAS-accredited calibration organization since 2001(Accreditation No. : KC-01-033)
- Possessing calibration ability(KOLAS-Accredited manpower, environment, equipment & procedure)



< KOLAS Accreditation Mark >

● Benefits

- Give international confidence in calibration result
- Secure reliability by expressing uncertainty in calibration certificate
- Eliminate redundant inspections and reduce export costs by establishing cross-regional mutual recognition network

Experience

- Calibrate in-house equipments(230 ea/yr)
- Calibrate equipments of external agency (upon request)

Deliverables

- Calibration service of equipments (Linear dimension & Various Dimensional)

Technology Readiness Level (TRL)

Actual system proven through operation

Business Model

Technology Transfer

Licensing

Joint Search

Service Execution

Others