SONIC CORPORATION

Underwater Level Meter
LGSM－2.V2

Underwater level Meter is a high precision level meter used for leveling underwater such as investigation construction of underwater structures, such as a port, the coast, a lake, and a river, and underwater geographical feature.

Although a leveling system is a thing adapting the principle of the communicating tube and is a simple system, high accuracy and the stable measured value can obtain it.

Observation Purpose

- Underwater structures leveling
- Investigation construction of underwater geographical feature

Feature

- The measurement which the principle of the same communicating tube as “take level” was applied, was highly precise, and was stabilized is possible for a measurement principle.
- Compared with the conventional staff measuring method, reduction of a worker‘s labor and survey time (1/2 ~ 1/4) is possible.
- Measurement range by less than 50m in radius is possible centering on a sensor, and +5 ~ -15m of vertical intervals.
- The accuracy of measurement at less than ±1% is possible for the range of less than ±2cm and others at ±2 m.

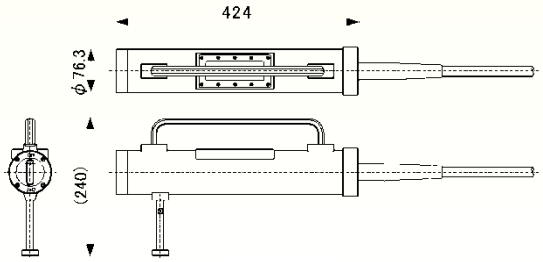
Specification

Measurement range	:	＋5～－15m
Measurement accuracy	:	±2cm（less than ±2m）
		±1%（others range）
Water pressure	:	400kPa
Operating range	:	less than 50m in radius
Communicating tube	:	about 50m
Observation time	:	about 8hour

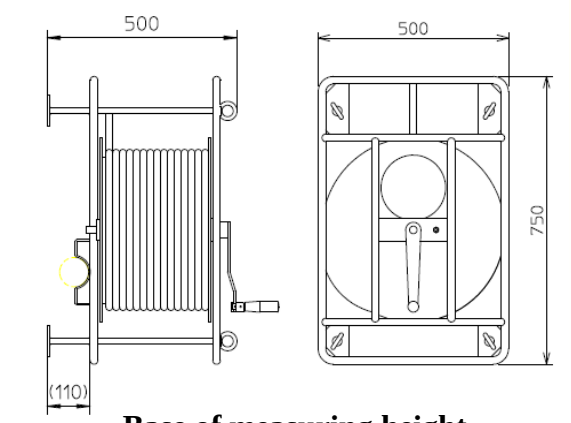
Configuration items

- Base of measuring height : 1set
  - measuring stick : 1piece
  - communicating tube : 50m
  - communicating tube winder : 1piece
  - battery case : 1piece
- Monitoring instrument : 1set
  - main part : 1piece
  - battery case : 1piece
- Signal cable : 50m

Dimensions



Measuring stick



Base of measuring height

Monitoring instrument

⚠ **CAUTION FOR SAFETY：Please read surely INSTRUCTION MANUAL before operating**

●Specification is subject to change without prior notice for improvement.

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