

WATER LEVEL INSTRUMENT.

DESCRIPTION. The 6541 Water Level Instrument is used to measure the level of a water surface. The instrument can achieve an accuracy and resolution of 0.2mm. This accuracy is maintained for the service life of the instrument, without calibration or maintenance apart from battery changes.

The 6541 Instrument has the range to monitor surface and underground water and the precision to monitor rainfall and evaporation.

HOW IS IT USED? The Water Level Instrument is normally connected to the water surface by a float system. As the water level changes, the float rises and falls and rotates the input shaft on which is mounted an optical encoder. At installation, the instrument is set to display the water level on the LCD screen.

A stilling well is needed to smooth the water height changes.



SPECIFICATIONS.

Range	0 to 65.5 metres
Resolution	1.0 mm or 0.2mm depending on float pulley
Accuracy	Same as resolution
Tracking	Up to 500mm / second
Display	6 digit LCD
Temperature	-40° to +60°C
Humidity	0 - 100%
Output	HSIO standard. Optional SDI-12. Up to 8 instruments can be daisy-chained
Power	Internal alkaline pack with life exceeding 12 months. Optional external 12V supply
Cable	5 metre supplied. Maximum 30 metres
Size	180 mm x 275 mm x 140 mm
Weight	2.7 kg including battery
Enclosure	Sealed PVC rated IP65

RELATED PRODUCT.

3100	Magpie	Software program to manage the 6541.
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