

WGC-5, High-Precision 5-Channel Wave-Gauge Conditioner

WG-1, 600mm twin-wire Wave-Gauge

WGC-5 Conditioner FEATURES

- Five input channel for connecting to five resistive twin-wire wave-gauge like *WG-1* of *Sazeh Hesgar Rayan*
- With 45Hz 3-db Bandwidth it is possible to measure rapidly changing water levels meanwhile static measuring is possible
- Output voltage of each channel is linearly dependent to water-level
- Each channel has an AC excitation voltage with its own excitation frequency to avoid crosstalk between channels



WGC-5 Wave Gauge Conditioner

WG-1 Wave-Gauge FEATURES

- Measures water levels up to 60cm
- All metal parts that supposed to be immersed in water are made of stainless steel to prevent corrosion.
- A marker mounted on wave-gauge make it possible to assign maximum water level



WG-1 twin-wire Wave Gauge

Description and Applications

WGC-5 is a 5-channel wave-gauge conditioner and when combined with our *WG-1* wave-gauges it is possible to measure rapidly changing water levels at five points in physical models e.g. in laboratory flumes. The *WG-1* wave-gauge itself is a resistive device that its conductivity changes with water levels.

Each channel in the *WGC-5* has its own frequency-specific AC excitation signal applied to each wave-gauge. Conductance changes in each wave-gauge are converted to voltages. The output voltages then can be measured by other measuring systems like *UMS* or *SMU* series or DAQ cards.

WGC-5 GENREAL INFORMATION

Power supply: 220VAC
Dimensions: 280 × 80 × 250 mm
Accessories: Power cable

WG-1 GENREAL INFORMATION

Dimensions: 1000 × 85 × 50 mm