



Acoustic Concrete Tester (ACT) Specifications

November 2008

Physical

Size (H x L x W): 75 x 175 x 235 mm

Weight: 2.2 kg

Display: Large backlit transfective VGA touch screen for any lighting conditions

Operating Temperature: 0° to 50° C Storage Temperature: -20° to 65° C

Battery: internal, 8 hours duration, rechargeable with fast charger (3 hours)

Electronic

Microprocessor PXA 255 XSCALE up to 400 MHz

Data storage on Flash card up to 128 MB Sampling digitizing frequency greater than 1 MHz

(net frequency after DSP 192 KHz) Sampling frequency accuracy within 0.01%

Functional

Material resonant frequency from real time FFT. Generates output graphs to illustrate reports. Screen may be personalized with company logo.

Probes attach to ACT Telescoping Pole for convenient testing.

Probes

Matched, interchangeable transceivers

Materials: Brass

Dimensions: 60 mm diameter, 45 mm length

Weight: 0.5kg

Cable Length: 2.4 m

Wide Band Transmission

Receiving Frequencies from 2 to 30 KHz

Resonant Frequency: > 36 KHz

Optional Underwater probe available

One year warranty