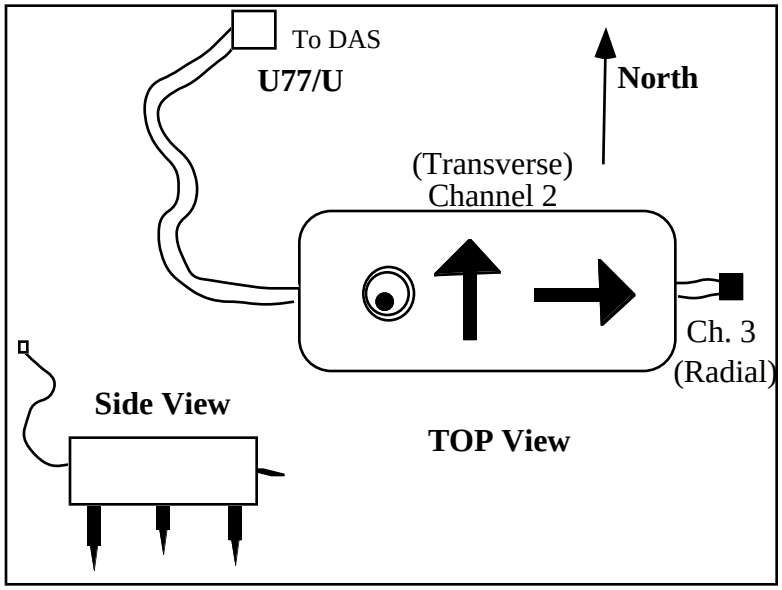
Mark Products L28



Channel Order
(positive voltage on DAS channel means ground moved in given direction)
1 Down
2 North or transverse
3 East or radial

Sensitivity
30.4 Volts / meter / sec

Calibration constant
N/A no cal coils

Typical DAS parameters: A-07 / A-06
Gain 32 / 2048 or 8192
Cal Amplitude N/A
Cal Interval N/A
Cal Step Size N/A

Physical Characteristics:

Size Case 8x20x6 cm with 8 cm spikes
Weight 2 kg.
Shipping Weight 60 lbs (10) **Size** 18x24x14 inches (Rbox)
Power consumption
None, passive sensor

Frequency Response:

Natural Freq.	4.5 Hz.
Damping	0.700 critical
Zeros	two at zero
Poles	-19.99 + 19.99*i*
	-19.99 - 19.99*i*

Installation Tips:

1) Determine approximate azimuth
2) Dig shallow trench 4-6 inches deep, 4 inches wide and 14 inches long.
3) Check azimuth and push sensor into ground so that it's level.
4) Cover sensor and a few feet of the cable with soil.
5) Plug sensor into DAS
6) Check DAS Monitor or Offset function for proper operation.

Cabling Notes:

A 3 meter (unshielded) cable is connected to sensor on one end and has a U77/U plug on the other end to mate with DAS sensor input.

coil resistance 395 Ohms, shunt resistance 2490 Ohms