

CONES

VIDEO CONE PENETROMETER

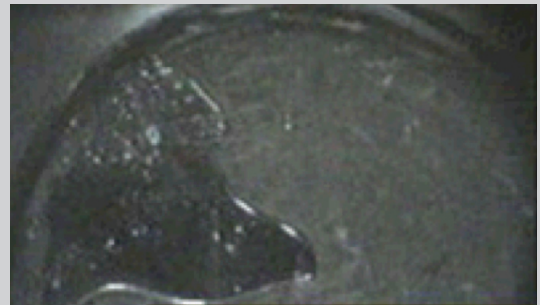
The Video Cone Penetrometer has a miniature colour video camera, an LED light source, micro-optic components, and a durable scratch-resistance sapphire window integrated into a Digital Piezo Static Cone Penetrometer (PCPT) cone housing. This single cone will provide standard geotechnical measurements, such as tip resistance and sleeve friction, as well as a high-resolution view of the soil in real time.

The video image is displayed on a portable display screen and recorded digitally onto a DVD or hard disk. A text inserter module allows the video of the test to be stamped with the depth as it increases as well as the test identification number. Post processing provides a picture log which is imposed next to the PCPT log, helping with the correlation of the soil type.

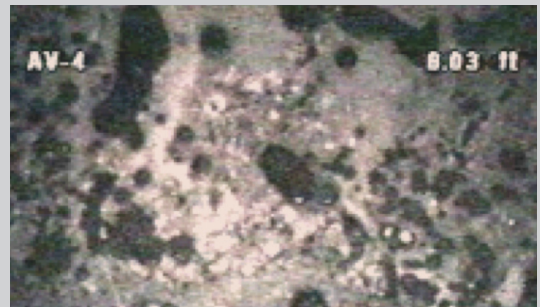
The Video Cone is a useful tool in both Contamination Detection and Soil Classification. For environmental work, the Video Cone allows the visual detection or confirmation of the presence of non-aqueous phase liquid contaminants in the soil, such as creosote, tar and gasoline. For Geotechnical work, the Video Cone shows soil texture, grain size, colour and other soil features.

SPECIFICATIONS

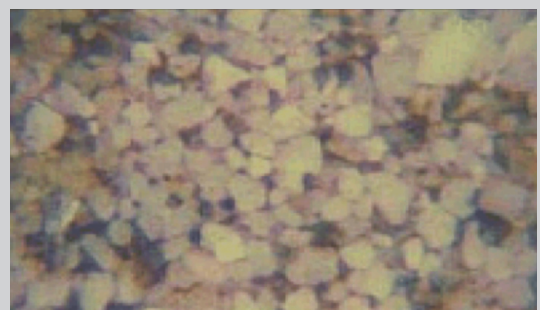
PCPT CONE	THIS IS THE SAME SPECIFICATION AS THE STANDARD PCPT CONE PLEASE REFER TO THE DIGITAL PIEZO CONE PENETROMETER DATASHEET
CAMERA	<ul style="list-style-type: none">> 768X494 PICTURE ELEMENTS> AUTOMATIC GAIN CONTROL> 9MMX6MM FIELD OF VIEW> 11MM RESOLUTION
ILLUMINATION SOURCE	4 HIGH BRIGHTNESS WHITE LEDS



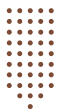
Video Image of Gasoline



Video image of Coal Tar Contamination



Video Image of Coarse Grain Clean Sand



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