

CONES

VIDEO CONE PENETROMETER

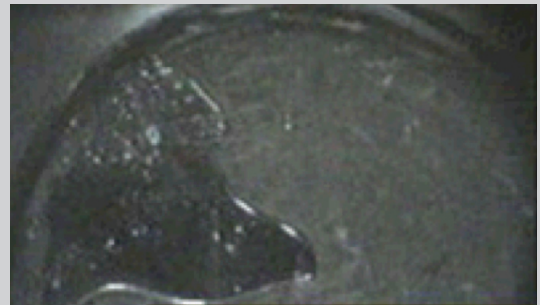
The Video Cone Penetrometer has a miniature colour video camera, an LED light source, micro-optic components, and a durable scratch-resistance sapphire window integrated into a Digital Piezo Static Cone Penetrometer (PCPT) cone housing. This single cone will provide standard geotechnical measurements, 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.

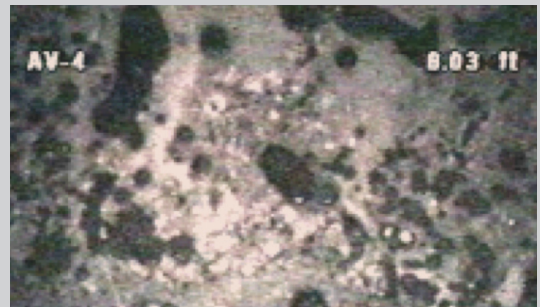
The Video Cone is a useful tool in both Contamination Detection and Soil Classification. For environmental work, the Video Cone allows the visual detection or confirmation of the presence of non-aqueous phase liquid contaminants in the soil, such as creosote, tar and gasoline. For Geotechnical work,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

SPECIFICATIONS

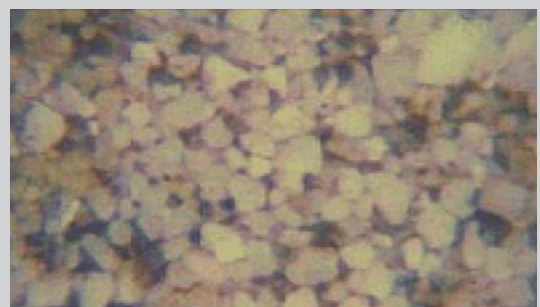
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|----------------------------|---|
| PCPT CONE | THIS IS THE SAME SPECIFICATION AS THE STANDARD PCPT CONE PLEASE REFER TO THE DIGITAL PIEZO CONE PENETROMETER DATASHEET |
| CAMERA | <ul style="list-style-type: none">> 768X494 PICTURE ELEMENTS> AUTOMATIC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



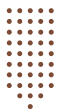
Video Image of Gasoline



Video image of Coal Tar Contamination



Video Image of Coarse Grain Clean Sand



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