

A PORE PRESSURE PICK-UP FOR DYNAMIC STUDIES OF SOILS

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ABSTRACT

This paper first reviews the different types of pore pressure pick-ups and notes that until now only static types have been available. It then discusses the requirements of a dynamic type of diaphragm pick-up for use in dynamic model studies. It lists the requirements of such a pick-up as being sensitivity, range of pressure, size, natural frequency etc. and describes how the present designer has met these requirements. The calibration and performance of the actual instrument is then described, giving photographs and diagrams. Eleven references are listed in connection with literature on similar apparatus.

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