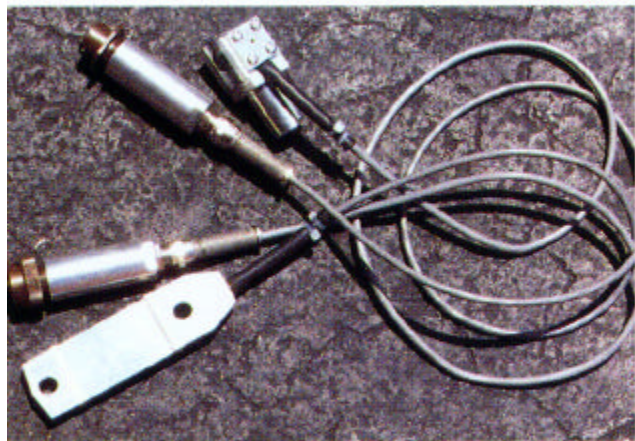


# Smart Gages



The new accelerometers and strain transducers from Pile Dynamics.

Smart Gages, Pile Dynamics' new accelerometers and strain transducers, are available for dynamic pile testing.

When the gages are connected to the Pile Driving Analyser (PDA), the PDA will automatically recognise which channel each gage is connected, the gage number, its calibration and date of last calibration. The date of last calibration serves as a reminder to recalibrate the gages every two years to maintain data accuracy.

The use of Smart Gages eliminates the need to bring calibration sheets to the job site, thus avoiding human error when entering the calibration factors and saving time for testing as well.

Dynamic pile testing is a fast alternative to static load testing of deep foundation, carried out by installing gages on a foundation, and then connecting them to a PDA. The gages acquire the necessary measurements while the pile is being driven, or while a non-driven pile is impacted by an adequate drop weight. When using conventional gages, the operator is still necessary to keep track of the serial number and calibration factors of each gage. Test results include an estimate of the foundation capacity, integrity evaluation and, for driven piles, driving stresses and hammer efficiency. ■

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