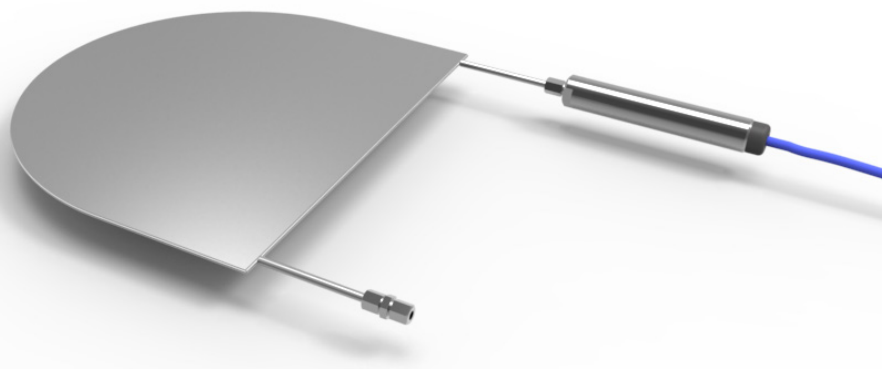


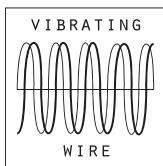
L100

FLAT JACKS
TESTING ACCESSORIES

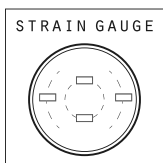
PRESSURE
& LOAD CELLS



FLAT JACKS TESTING ACCESSORIES



The flat jack consists of a steel pressure pad filled with deaired oil equipped with two steel tubes, one for pump connection and one for linking another pad or to mount a pressure transducer. Pressure pad are available in different dimensions; customized pad shape and dimensions achievable under request.



The manual pump is provided with a manometer to monitor flat jack's oil pressure during the test.

A special automatic monitoring kit is available in order to connect a pressure transducer to the flat jack: this solution permit the connection of the flat jack to a datalogger for automatic data acquisition and alerting.

APPLICATIONS

- Evaluation of state of stress and deformability characteristics in tunneling applications
- Evaluation of mechanical properties of rock and concrete masses
- Restoration of historical and monumental buildings

FEATURES

- Robust and easy to install
- Available in special shape and dimension following Customer request
- Automatic monitoring kit available for remote

FLAT JACK PADS



0L101351700

0L103352600

0L103353000

Description	semicircle flat jack	eccentric flat jack	eccentric flat jack
Pad size	350x175 mm	350x260mm	350x300 mm

PRESSURE TRANSDUCERS

	PK45H MODEL	CE	P252A MODEL	CE
Description	VW pressure transducer		piezo-resistive pressure transducer	
Full scales	350, 500, 700 kPa, 1.0, 1.7, 2.0, 5.0, 7.0, 10.0, 20.0 MPa		200, 500 kPa, 1.0, 2.0, 5.0, 10.0, 20.0 MPa	
Sensitivity	0.03% FS		0.002% FS	
Total accuracy	(*) <0.25% FS		<0.20% FS with 3rd order polynome	
Output signal	frequency		4-20 mA current loop	
Operating temperature range	-20°C +80°C		-10°C +55°C	
Transducer size	OD 27mm, 180mm long		OD 27mm, 180mm long	
Resolution	0.025% FS		0.01% FS	
Material	stainless steel		stainless steel	
Weight	0.6 Kg		0.6 Kg	
Cable	0WE104K00ZH LSZH, 2 twisted pairs 22 AWG		0WE102K00ZH LSZH, 2 conductors 20 AWG	

(*) including hysteresis and repeatability, calculated with 3rd degree polynomial

ACCESSORIES AND SPARE PARTS

FLAT JACK CONNECTION KIT 0L10KITV380

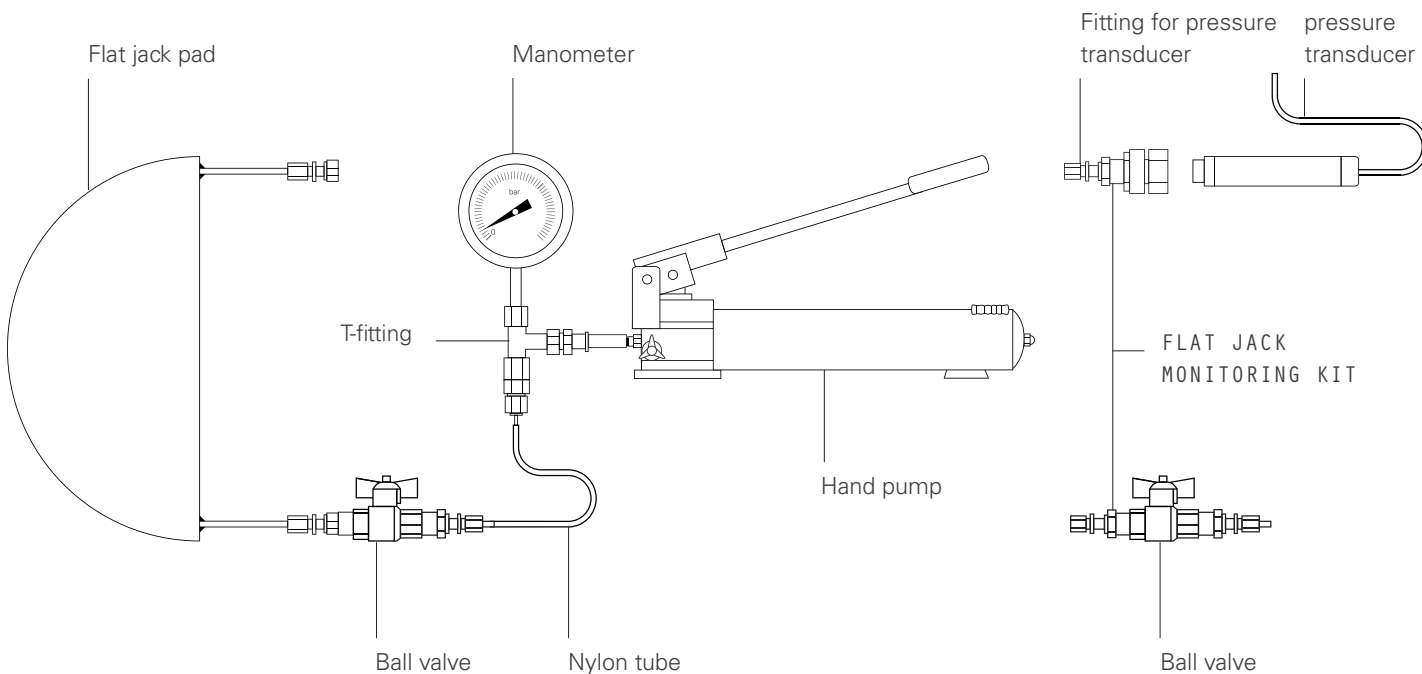
It is composed by ball valve and 4 m nylon tube for hand pump kit connection.

HAND PUMP WITH MANOMETER 0L10PM10000

700 bar hand pump (dimensions about 340x95x150 mm) complete of Bourdon manometer and T-fitting for nylon tube connection.

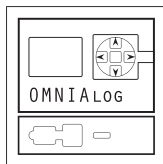
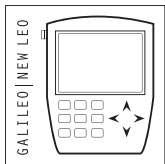
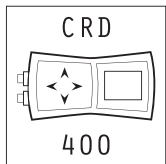
FLAT JACK MONITORING KIT 0L101KITM03

Composed by ball valve for nylon tube connection and fitting for pressure transducer (not included).



READABLE BY

ONLY WITH PRESSURE TRANSDUCER



For further information refer to their own datasheets

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ADDITIONAL SUPPORT

SISGEO offers on-line assistance service to the Customers in order to maximize the performance of the system and training on the correct use of the instrument/readout.

For more information contact mail: assistance@sisgeo.com