

ElastiSense

Datasheet – PTK Portable Test Kit



PTK with two EDS Sensors

The Portable Test Kit accommodates one or two of our ElastiSense displacement sensors of the EDS series when connected to its Data Acquisition Unit (DAU), thus making up an autonomous displacement data collection system which is plug and play when used with the software and the standard cable(s) that come with it.

The PTK is a price competitive test instrument that enables easy, yet precise displacement measurements of a system or tool, without having to invest in large dedicated measuring systems. The applied displacement sensors are able to tolerate aggressive mechanical environments and therefore uniquely suited for applications within e.g. machine tooling.

For setting up the system prior to operation, please see the “Portable Test Kit – Operating and Service Instructions”.

Key data	Portable Test Kit
Measurement range	According to the applied EDS displacement sensors (20 mm to 200 mm)
Power consumption	24 VDC / < 500 mA
Visual output	Shown as on screen graph (resolution according to sensor range)
Numeric output	Numerical value dumped to .txt file
Accuracy and repeatability	See sensor datasheet
Update rate	Selectable in steps from 10 Hz up to 1kHz as maximum
Operating temperature	See sensor datasheet for sensor values
Operating temperature (DAU)	0°C to 45°C
Operating humidity	See sensor datasheet for sensor values
Operating humidity (DAU)	5%RH to 85%RH
Dimensions (DAU)	195 x 95 x 49 mm
Controller type	Windows PC with XP SP3 or higher and one free USB slot
Sensor inputs (to DAU)	Two M8 Connectors (female)