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 parameters of the Portable Test Kit

Model	Portable Test Kit
Supported type of sensors	ElastiSense EDS series
Supported number of sensors	Up to 2
Measurement range (mm)	According to the chosen EDS displacement sensors (20 mm to 100 mm)
Power consumption	24V DC / <500 mA
Data visualization	Sensors data are displayed on a graph in real time
Saving options	Sensors data can be stored on a .txt file for post-processing
Accuracy and repeatability	See EDS sensors datasheet
Update rate	10 – 1000 samples/second (software selectable)
Operating temperature	See EDS sensors datasheet
Operating temperature (DAU)	0°C to 45°C
Operating humidity	See EDS sensors datasheet
Operating humidity (DAU)	5%RH to 85%RH
Dimensions (DAU)	195 x 95 x 49 mm
Supported PC or tablets	PC or tablet with Window XP or higher and one available USB port