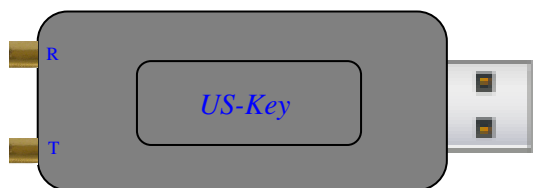# US-Key
Options and Accessories
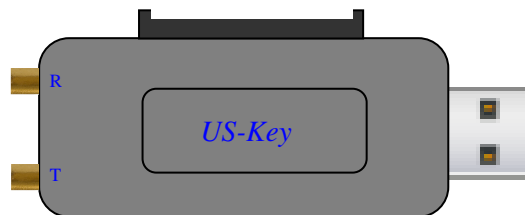
US-Key

Description

   US-Key is a single channel ultrasound device used in different activities (medical research, NDT, Universities, ...). In function of your application, we propose with the US-Key options and accessories sold at the time of the purchase of the device.

US-Key has 2 versions :

> ➢ Version without user input/output connector
> ➢ Version with user input/output connector (called I/O connector)

Without connector   With connector

The possibilities of the US-Key in term of realization of application are multiple in particular with the inputs/outputs present on the device.

Example of realization :
> ➢ Synchronization of the US-Key with encoders* or TTL signal
> ➢ Synchronization of the external device with a TTL output signal
> ➢ Alarm signals to inform of the gates status of measurement present in the software
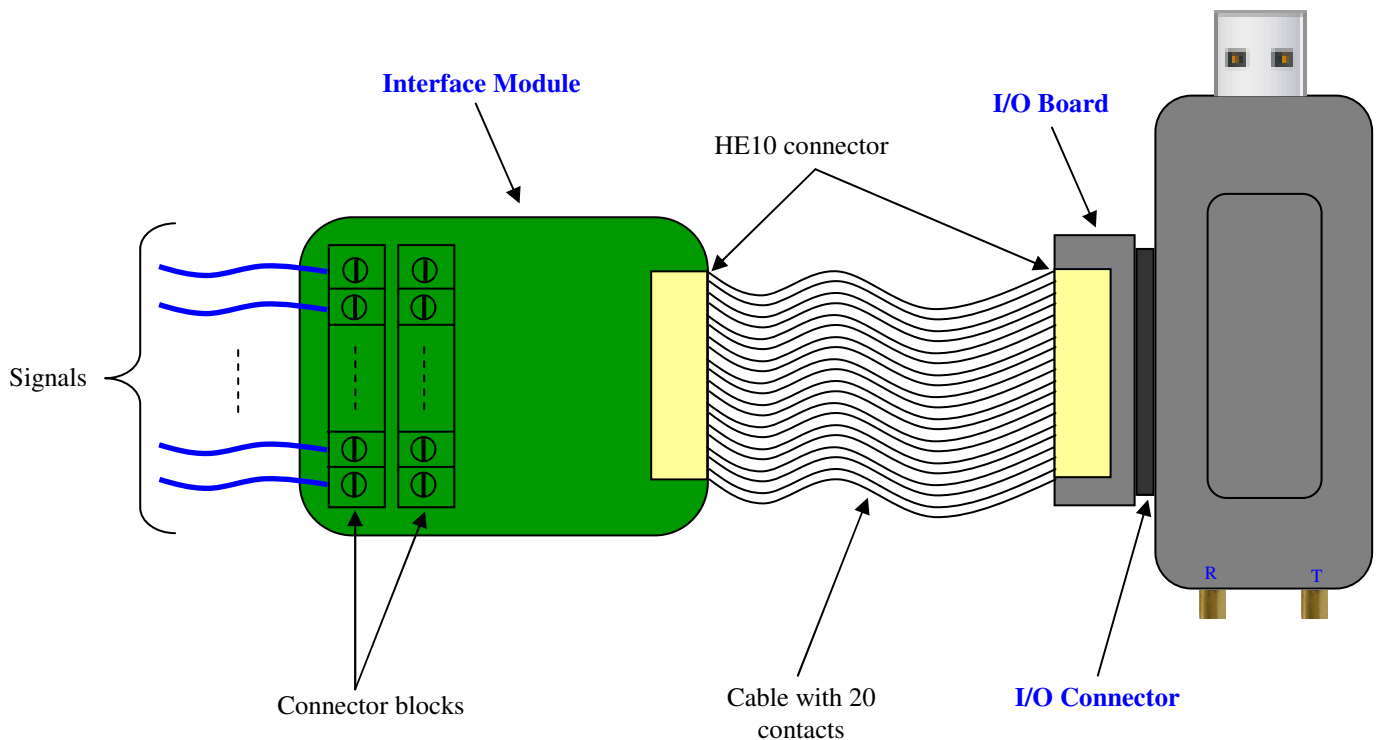> ➢ ...

Accessories

> ➢ I/O Connector + I/O Board : you have with this connector and this board, different inputs/outputs (encoders*, synchros, alarms, ...) and power supply +5 Volts and +3.3 Volts. The I/O Board comes to connect on the I/O Connector in order to be able to interface itself by a HE10 connector. You have also on this board, input/output buffers to protect the device. For more details, consult documentation associated with the US-Key.

   * : for a specific application (development required)

➢ Interface module : this module comes in complement from the I/O Board in order to facilitate connection between the US-Key and its external environment. The presence of the connector blocks allow to the user to connect in a fast way its test signals on the US-Key. A documentation associated with this module is also available.

Accessories view :

Interface Module

HE10 connector

I/O Board

Signals

Connector blocks

Cable with 20 contacts

I/O Connector

R   T

Options

➢ Sampling frequency : 160 MHz

➢ Bandwidth (-6 dB) : 30 MHz