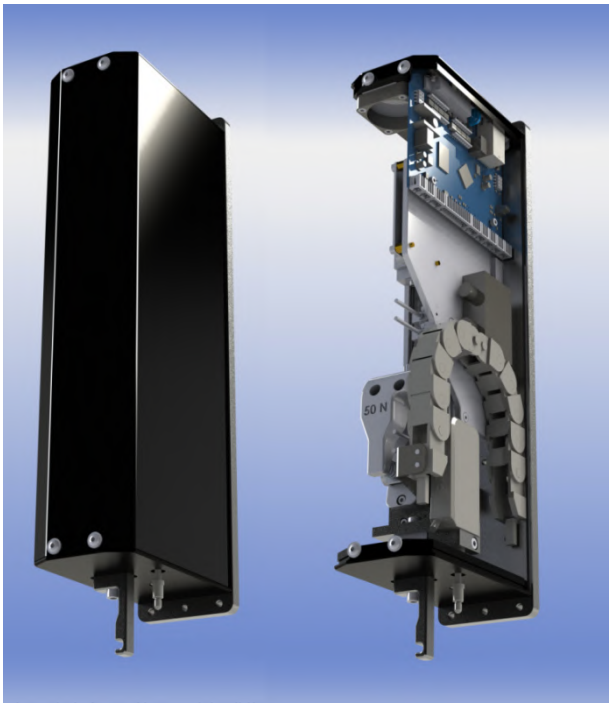
KEY HAPTIC MODULE THM

Key haptic measuring systems are used to test key actuators in the automotive and consumer sector to record and evaluate their force curves. The key haptic module THM 1 is a measuring system that been specially developed for this purpose. It can be easily integrated in automatic and laboratory systems.



The surrounding housing protects the system from external influences and protects the user from moving parts, so that the module can be used without a safety enclosure. The housing is matt black and is therefore particularly suited for the use beside image processing systems.

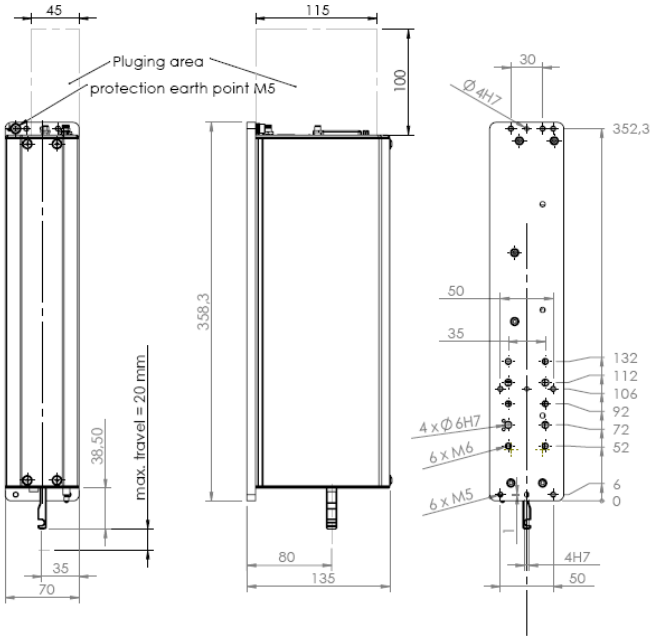
The system has an integrated encoder for exact allocation of the position. With an additional integrated position measuring system the inherent elasticity of the measurement arrangement will be reduced and the stiffness of the system will increased.

The key haptic module will delivered by default with a universal press/pulling fingers. Naturally we deliver custom-built fingers on request.

The Key haptic module can be integrated in a production line or in a laboratory system. For direct commands to/from a PLC the Module provides a small DIO interface. In both cases the analysis to be on a separate measurement-PC.

Technical data

Measuring range:	±40 N
Measurement accuracy:	±0,3 % of full scale
Sampling rate:	10 kHz
Sensor signal analog:	±10 V
Max. feed speed (measurement):	10 mm/s
Max measure range:	20 mm
Ambient temperature:	-10 … 40 °C
Storage/transport temperature:	-20 … 60 °C
Rel. humidity:	<85 %
Max. range over NHN:	1000/3000 m
Weight:	2,4 kg
Surrounding conditions	no corrosive gas, dust-, water- or oil;
Operation voltage:	24V DC 0,9A
Dimensions (HxBxT)	359x135x70 mm



PANOVO tec GmbH • Schreiberhauer Str. 5 • 90475 Nuremberg, Germany
Phone: +49 911 13135 343 • sales@panovotec.com • www.panovotec.com