

## Operation and communication

FAG SmartCheck can be used easily and on an intuitive basis by means of two capacitive keys.

Due to the software FAG SmartWeb integrated in the device, it can be accessed via a Web interface using any standard browser.

The device can be connected via interfaces to, for example, a controller, control room or PC, *Figure 1*.

- ① Status LED, red, yellow, green
- ② Membrane key, alarm reset
- ③ Membrane key, activate teach mode
- ④ Interface: Ethernet, power supply, PoE
- ⑤ Interface: RS485, power supply
- ⑥ Interface: inputs and outputs, analogue and digital

*Figure 1*  
LEDs, keys and interfaces



## Function

FAG SmartCheck is ready for immediate use as soon as it is delivered. The integrated characteristic value set allows general, reliable monitoring.

For more precise monitoring, a component template stored in the device can be selected for applications such as fans or pumps. The component template is filled with the component data.

The device has an integrated rolling bearing database containing data for FAG and INA standard bearings. The user can add further rolling bearings to the database at any time.

Depending on the component template selected, certain parameters can be adjusted, such as:

- bearing type
- number of fan blades
- gear teeth
- belt lengths.

The characteristic value set thus generated allows highly precise monitoring of the machine.