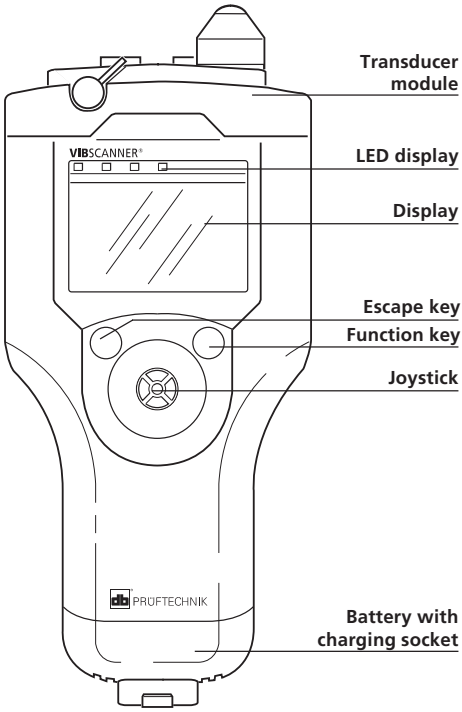
PRÜFTECHNIK

VIBSCANNER®

VIB 5.400

Short instructions



LED display
If limits are set up, one of the four LEDs lights up to evaluate the measurement (see page 6):

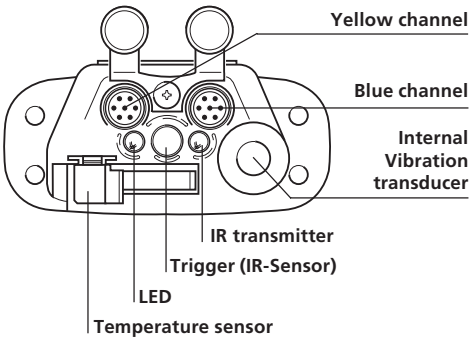
Blue	**=**	**OK**
Green	**=**	**Prewarning**
Yellow	**=**	**Warning**
Red	**=**	**Alarm**

Red LED as status indication
Red flashes after switching on:
⇨ Battery is empty. Connect battery charger and charge battery.

Red flashes after the measurement:
⇨ Signal overflow/ underflow or is instable: Repeat measurement.

Red lights up after switching on:
⇨ Instrument error. Please contact your local PRÜFTECHNIK agent.

Top view



Edition February 2002
Order number VIB 9.669G

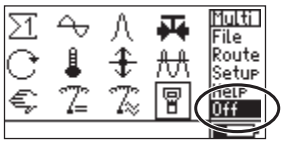
Getting started

Switching on
- Push the joystick upwards for approx. 2 seconds and then leave go.

approx. 1-2 s

Switching off
- Click on OFF in the start menu.

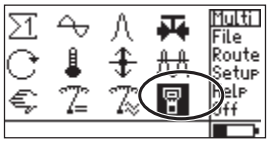
(See also 'Power off' setting in the VIBSCANNER setup)



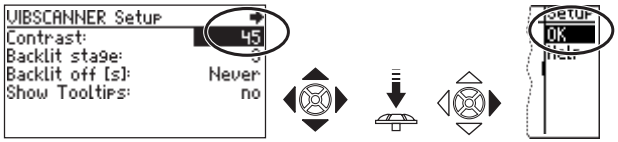
VIBSCANNER setup

Setting of date, time, units, display, ...

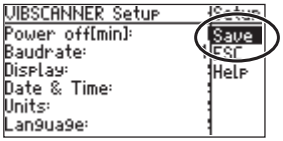
- Click on to open.



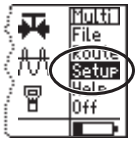
Changing parameters
- Click on the parameter;
- Make the selection / Input the value;
- Click to enter it.
- Push the joystick to the right;
- Click on OK.



Saving the changes
- Push the joystick to the right;
- Click on SAVE.



Description of the symbols



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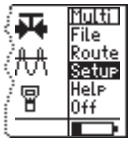
Selection WITH clicking



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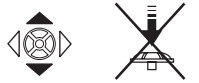
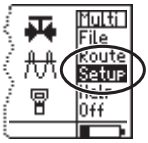


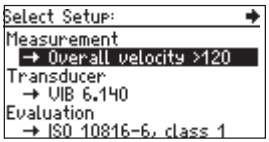
Selection WITHOUT clicking

Multimeter measurement

Checking the settings
(recommended)
- Select the measurement task *(e.g. vibration severity);*
- Press the function key;
- Click on SETUP.

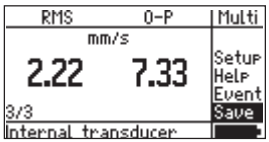


MEASUREMENT:
Settings for the measurement;
TRANSDUCER:
Transducer parameters;
EVALUATION:
Setting the limits (optional, p. 6).

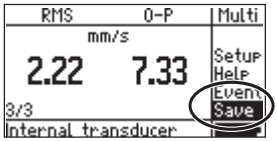


Starting the measurement
- Select the measurement task *(e.g. vibration severity);*
- Connect the transducer to the instrument and meas. location;
- Click to start the measurement.

Repeat the measurement
(if necessary)
- Press the function key in the result screen *(Cursor moves to the display field);*
- Connect the transducer to the measurement location;
- Click to start the measurement.



Saving the measurement
- Click on SAVE;
- Press the function key;
- Click on NEW;
- Enter the filename in the text editor (see page 5).



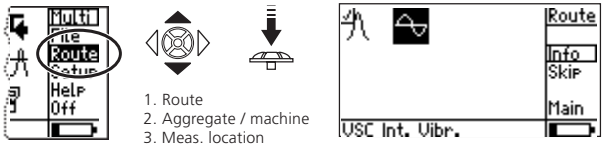
Text editor

Route measurement

Meas. without VIBCODE

Select the measurement task

- Click on ROUTE;
- Select the route;
- Select the aggregate/ machine;
- Select the meas. location;
- Mark the measurement task.



Starting & saving the meas.

- Connect the transducer to the instrument and meas. location;
- Click to start the measurement;
- Click on SAVE.

Measuring with VIBCODE

Starting & saving the meas.

- Click on ROUTE;
- Connect the VIBCODE to the instrument and meas. location;
- Select the route;

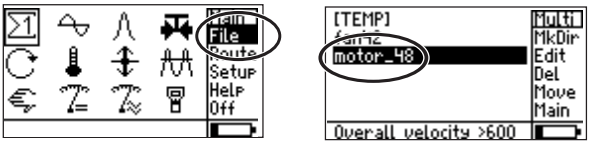
VIBCODE reads meas. location no.
⇨ Meas. starts automatically

- Click on SAVE.

Trend measurement

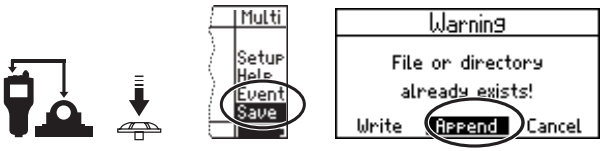
Opening the file with trend data

- Click on FILE to open the file manager;
- Click on the 'trend file'.



Starting & saving the meas.

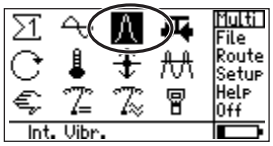
- Connect the transducer to the instrument and meas. location;
- Click to start the measurement;
- Click on SAVE.
- Select APPEND to add the result to the trend data.

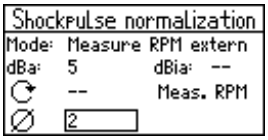


Bearing condition (shock pulse)

Preparing the measurement

- Click on ⩘ ;
- Set up the parameters for normalization; *(e.g. dBa and dBia value, RPM, shaft diameter; for not normalized measurement, set MODE to 'No Norm');*



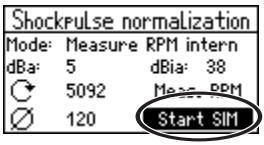


Starting & saving the meas.

- Connect the transducer to the instrument and meas. location;

If 'Mode = Measure RPM intern/ extern', then measure RPM first.

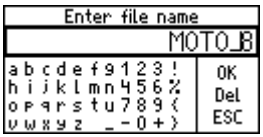
- Click on START SIM to start the measurement;
- Click on SAVE *(page 3 below).*

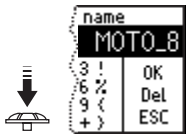


Text editor

Deleting the whole text line

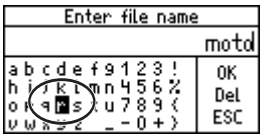
- Position the cursor in the text line;
- Click to mark the text line;
- Press the function key or click on 'Delete' (DEL).

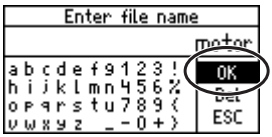




Entering text

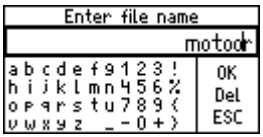
- Click on the character; *(Enter capital letters by double-clicking);*
- To accept the entry, click on OK.

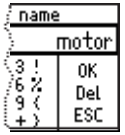




Deleting characters

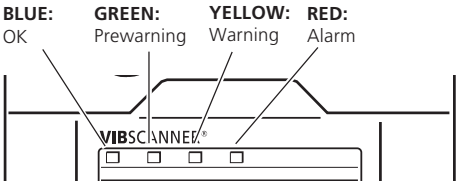
- Position the cursor to the right of the character;
- Press the function key or click on '*Delete*' (*DEL*) .





Limits

For the evaluation of the measurement, one of the four LEDs above the display lights up based on the limits set up.



A. Assigning limits

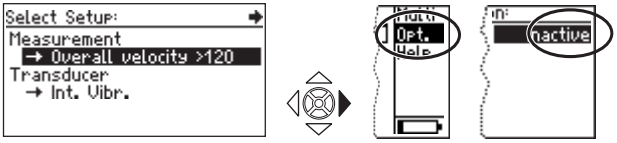
(e.g. for vibration severity)

- Select the meas. task and open the Setup menu (see page 3);

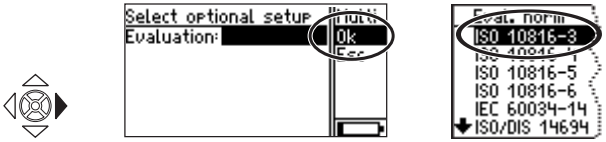
SETUP menu
(see top of p. 3)

If evaluation setup is inactive:

- In the Setup menu, push the joystick to the right;
- Click on 'Opt. Setups' (OPT.);
- To activate, click on NONE

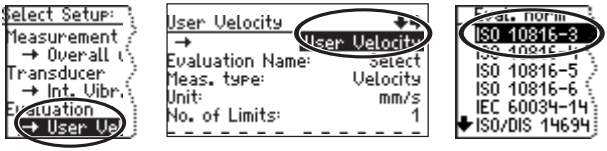


- Push the joystick to the right;
- Click on OK;
- Click on the required norm and select the machine class *(e.g. ISO 10816-3, Group 2).*



If evaluation setup is active:

- In the Setup menu, click on EVALUATION;
- Click on the first line (->);
- Click on the required norm and select the machine class *(e.g. ISO 10816-3, Group 2).*



B. Defining limits

(e.g. for temperature)

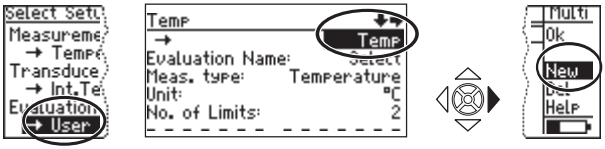
- Open the Setup menu for temperature measurement (see page 3 above);

SETUP menu

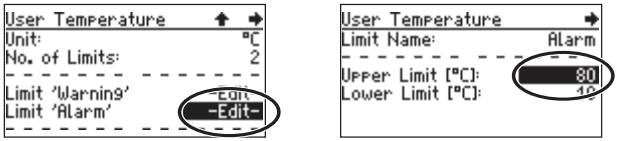
If evaluation setup is inactive

- Activate the evaluation setup (see page 6);
- Select the type of evaluation *(e.g. User Temperature)*

- Click on EVALUATION;
- Click on the first line (->);
- Push the joystick to the right, and click on 'New'.

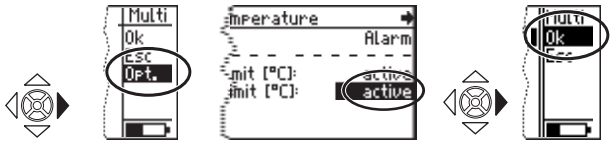


- Change the 'Name', and select the number of limits: *1=Alarm/ 2=Alarm+Warning/ 3=Alram+Warning+Prewarning*
- Click on 'Alarm' limit;
- Input the alarm value.



If necessary, deactivate the alarm type (e.g.'Lower Alarm'):

- Push the joystick to the right;
- Click on 'Opt.' (Option);
- Click on the alarm type and set it to 'inactive';
- Push the joystick to the right;
- Click on OK;



- Push the joystick to the right;
- Click on OK

If necessary, repeat for warning and prewarning;.

- Finally, push the joystick to the right and click on 'Save'.

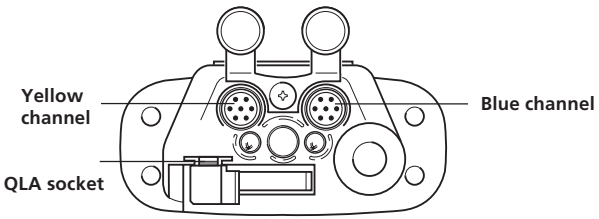
Transducers

Connecting ext. transducers

Blue channel:
Vibration, Pt100, Signal voltage/ current (±30V / ±20mA).

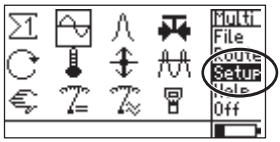
Yellow channel:
External RPM transducer, output for analog signals, PC.

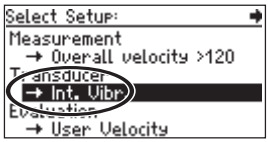
QLA socket:
External temperature sensor (NiCrNi-compatible)



Assigning transducers

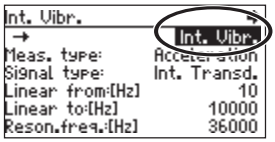
- Mark the measurement task, and click on 'Setup' (see p. 3);
- Click on TRANSDUCER

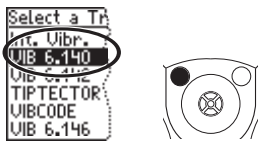




The transducer setup opens

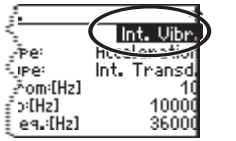
- Click on the first line (->);
- Click on the new transducer *(e.g. VIB 6.140);*
- Go back to the selection window: Press ESC twice.

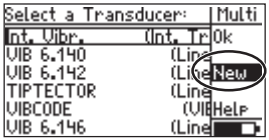




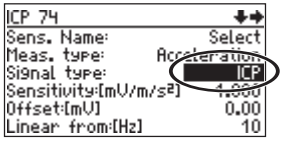
Creating a new transducer

- Open the transducer setup, and click on the first line;
- Push the joystick to the right;
- Click on 'New';





- Change the name and transducer parameters;
- Then push the joystick to the right, and click on 'Save'.



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