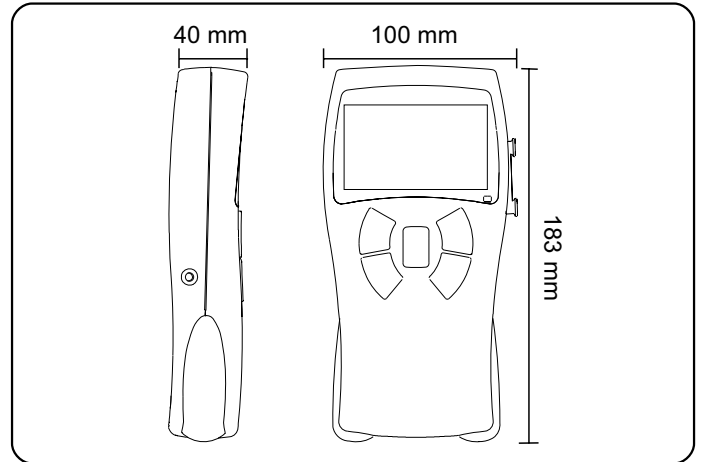


TECHNICAL DATASHEET

**Data Recorder
for KISTOCK datalogger
KNT 300**



Dimensions



Description



Technical features

- Storage capacity..... Up to 500 000 measurement points
or 50 data sets
- Display..... Graphic, with automatic backlighting
Size 66 x 33 mm
- Housing..... Shock-proof, made of ABS/PC,
with Elastomer protection pads
- Keypad..... Made of Elastomer : 4 keys and a control knob
- Connection input..... Jack connector (Type 3,5)
- Speed of data transfer... From KISTOCK to data recorder : 400 values/s
from data recorder to PC : 1000 values/s
- Power supply..... 4 alkaline batteries 1,5 V LR6
or main current
- Working temperature..... From 0 to 50°C
- Storage temperature..... From 0 to 50°C
- Dimensions..... 183 x 100 x 40 mm
- Weight..... 450 g
- Languages available..... Two versions available (according to model)
French and English
French, English and one additional language

General presentation

• KEYPAD

- « ON/OFF »..... Switch on/off the instrument
- « ESC »Return to previous page or to last validated data
- « KNOB ».....Browse menu by scrolling down the knob.
Press on control knob to validate.
- « HOLD ».....Display KISTOCK measurements in real-time
- « PRINTER ».....Print out of data on a printer
- « FLOPPY ».....Download data from Kistock

▪ SETTINGS

To access setting functions, switch on data recorder by pressing «ON/OFF » key. The following scrolling down menu appears :

- Battery level
- Data recorder serial number
- Memory space
- Date and time

Press on « ESC » to reach different settings. Recorder version number is displayed and the scrolling down menu appears using the knob :

- Date and time
- Backlight
- Contrast
- Beep on keys
- Languages
- Auto switch-off
- Operator name

Date and time

Use the knob to enter date and hour, and validate each figure by pressing on the knob. Press on « ESC » to modify a figure previously validated.

Backlighting

It is possible to activate or to deactivate the back-lighting of the display by means of the knob. Choose « ON », « OFF » or « automatic » and press on « ESC » to validate .

Contrast

With the knob, adjust the contrast of the screen from 0 to 9 and validate by pressing on the knob.

Beep on keys

It is possible to activate or to deactivate the tone of keys. Validate the chosen option by pressing on the knob.

Languages

By the means of the knob, browse the different available languages and validate by pressing on the knob.

Auto-switch-off

It is possible to activate or deactivate the automatic swith-off of data recorder. Use the scrolling down knob and choose « OFF » to deactivate the automatic switch-off or choose a period (by slice of 15 minutes).

Operator name

It is possible to select the operator name from a library of 10 names. The preset names are « operator 1 », « operator 2 »...

You can customize the operator names by selecting « modify », and by entering letters with the knob and then validate. To change from upercase to lowercase press on « HOLD » key.

■ Menu presentation

Reach main menu by pressing the knob.

You can leave at any time by pressing on « ESC » key. With the knob, you can choose :

- Display data sets
- Supress all data sets

Once a data set is displayed, you can get all details about it, divided in several screens.

The first screen indicates : (fig.1)

- KISTOCK type and version number (KTH300 for example)
- KISTOCK serial number
- Name of data set
- Associated comments
- Name of operator in charge of the recording



Fig.1

The second screen indicates : (fig.2)

- Recording mode
- Start (date and time) of data set
- End (date and time) of data set
- Interval of recording time
- Interval of measuring time
- Number of recording channels
- Total number of recorded points



Fig.2

Each recording channel has one or two summary screens : (fig.3)

- Number and name of the channel
- Number of measurement points
- Average of recorded values
- Minimum and maximum of recorded values



Fig.3

According to the KISTOCK configuration, an additional screen indicates :

- Minimum alarm threshold and number of recorded points
- Maximum alarm threshold and number of recorded points

To select another data set, press on « ESC » and choose another data set using the knob.

Data processing: download, display and print

DATA DOWNLOAD FROM KISTOCK TO DATA RECORDER

Connect data recorder to KISTOCK, via connection cable supplied.

Press on « Floppy » key. Data recorder displays information on the KISTOCK connected (fig.4).

- KISTOCK model and type
- Serial number and battery level
- Name of the data set
- KISTOCK status
- Number of measurement points recorded
- Start (date and time) of recorded data sets (if the data set is complete)
- End (date and time) of recorded data sets (if the data set is complete)



Fig.4

Select «DATA TRANSFER » by pressing on the knob. Otherwise, to come back to main menu, press on « ESC ».

If data set is complete, when transferring data to data recorder, the following message appears : « Reconfigure instrument ? »

If you press on « OK », KISTOCK is reconfigured with a start by key: keep pressing on « OK » (on KISTOCK) for at least 5 seconds.

If you do not wish to reconfigure KISTOCK, press on « ESC » (on data recorder). When a data set is in progress, it is also possible to download recorded values to data recorder.

Once data transfer is done, you can display the data set.

DISPLAY OF MEASUREMENTS

Press on « HOLD » key.

Data recorder displays information on the KISTOCK connected (fig.5):

- KISTOCK model and type
- Serial number and battery level
- Name of data set
- Status of data set with measurement and recording interval



Fig.5

Measurements made by KISTOCK are displayed on the data recorder display every 5 seconds (fig.6).

It is then possible to print out the measured values by pressing on « PRINT » key.

Press on « ESC » key to come back to main menu.



Fig.6

PRINTING OF DATA ON A PORTABLE PRINTER (ref.ITP)

You can print out your data sets at any time, once you have displayed them.

Connect data recorder to the printer, via connection cable supplied.

Press on « PRINT » and select summaries you wish to print.



Ref. ITP

DOWNLOAD OF DATA FROM DATA RECORDER TO COMPUTER

Connect data recorder to your PC, via connection cable supplied (USB port). Launch KILOG software and select « downloading » icon.

A summary window with your recorded data sets appears.

- Tick off the data set you do not wish to download
- Choose the location where you wish to save your data.

EXPORT DEPARTMENT

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