Technical description EBI 10-System

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Device: Parts of EBI 10-System: data loggers
               EBI 10-T, EBI 10-TP, EBI 10-TH, EBI 100-T, EBI 100-TP, EBI 100-TH,
               EBI 16
               EBI 12-T, EBI 12-TT, EBI 12-TP, EBI 12-TLP, EBI 12-TH, EBI 12-TC,

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Overview: EBI 10-System and parts:

This document describes the logger variants of EBI 10-System and its similarities and differences.

Logger and interface must be used together. There is no meaningful single usage of logger or interface.

Technical description EBI 10-System

Similarities:

All logger variants consist of the same electronic mainboard / PCB including the battery.
Radio part is identical on all devices.
The sensor types of EBI10-System can be: - 6mm needle, 3mm needle, 2mm needle
                                                                        - 1,6mm flexible metal, 1,6mm flexible wire

Differences:

Different between the logger variants are only the sensor type, the housing and the possibility
to transmit data.

EBI 10-YY xxx   - have an active radio part, can transmit data online to the interface while
                                       logging
                                   - have a metal base part / housing with red plastic (PEEK) or
                                      only a red plastic (PEEK) base part / housing

EBI 12-YY xxx   - have a full metal housing
                                   - variants with red plastic (PEEK) in base part have an active radio part, can
                                      transmit data online to the interface while logging
                                   - variants with blue plastic (PEEK) in base part have an active radio part, cannot
                                      transmit data online to the interface while logging. (data transmitting only if
                                      placed in the interface)

EBI 10-T xxx / EBI 12-T xxx	logger can only measure temperature, from one up to 4 channels
EBI 10-TP xxx / EBI 12-TP xxx	logger can measure temperature (up to 4 channels) and pressure
EBI 10-TH xxx / EBI 12-TH xxx	logger can measure temperature (up to 4 channels) and humidity
EBI 12-TC xxx	logger can measure temperature and conductivity
EBI 12-TT xxx	logger can only measure temperature, from one up to 4 channel (same as EBI 12-T xxx, additional logger label for EBI12T 101)
EBI 12-TLP xxx	logger can measure temperature and pressure (same as EBI 12-TP xxx, additional logger label for EBI12TP190, TP290)
EBI 16	logger can measure temperature (2 channels) and pressure (same as EBI 12-TP 322, shorter probes, other housing)

xxx   stands for the sub-variant, meaning the sensor type and count and its layout,
YY stands for measurement category (T=Temperature, (L Low)P=Pressure, C=Conductivity, H=Humidity)

EBI 100-YY xxx - have an active radio part, cannot transmit data online to the interface
                          while logging. (data transmitting only if placed in the interface)
                       - have a blue plastic (PEEK) base part / housing

EBI 100-T xxx	logger can only measure temperature, from one up to 4 channels
EBI 100-TP xxx	logger can measure temperature (up to 4 channels) and pressure
EBI 100-TH xxx	logger can measure temperature (up to 4 channels) and humidity

xxx   stands for the sub-variant, meaning the sensor type and count and its layout,
YY stands for measurement category (T=Temperature, (L Low)P=Pressure, C=Conductivity, H=Humidity)