



The smart connector

Turn your tubing into a smart device

Thanks to the universally configurable smart connector, adding functions to your tubing system is easy, and the possibilities to further measure, collect and visualize information are manifold.

Your advantages at a glance

- The connector extends the functionality of your tubing system
- The upper measurement unit can be reused several times
- The lower connector unit can easily be exchanged via plug and play and calibrates itself
- Visual or acoustic status log of various measurement values in real time
- Measurement and device data can be stored directly in the measurement unit
- The system executes a self-test after the connector unit has been exchanged
- Digital data exchange via an integrated interface



Time and duration of application



Temperature measurement



Visual and acoustic alarm



Digital business card



Plug and play capacity



Digital data exchange



Your idea

Heatable resuscitation tubing systems become smart

Artificial respiration should not place undue stress on the patient's lungs or respiratory system. Respiration equipment and humidification systems must function seamlessly with the heatable respiration tubing. We focus on your individual requirements during development and production.

We offer you:

- Respiration tubing systems for adults, children and newborns
- Multiple uses (e.g. intensive care units, home care)
- Snug fit on resuscitation masks, respiration equipment and humidifier system
- Uniform heating of breathing gas for optimal hydration
- Enhanced patient and equipment safety through high quality standards
- Individually adjustable
 - length
 - design (e.g. color, connector shape)
 - additional functions (e.g. data storage using an integrated RFID chip)

Intelligent respiration tubing systems with smart connector

Inserting the intelligent connector between the mask and the tubing enhances the possibilities of data collection. Maximum user-friendliness was ensured during the development of the customized connector.

Application examples



Display showing maximum service life

The connector shows the expiry date of the attached respiratory tubing. A blue LED light flashes to indicate that the tube needs replacing.



Temperature measurement

The air temperature of the patient's mask is captured continuously. This means that potential heating problems are recognized quickly. A red light flashes on the connector to indicate temperature spikes.



Digital business card

Extra data can be stored on an additional storage device, such as, a temperature time log and service life analysis.

