

# SECURE DATA, BETTER CARE: THE ADVANTAGES OF SECA INTEGRATION SOLUTIONS



# DIGITAL PRECISION IN HEALTHCARE:

## WHY SECA INTEGRATION SOLUTIONS MATTER

### Why do we offer integration solutions?

seca – Precision for Health, founded in 1840 – has developed into the global market leader for medical measurements of height and weight.

Over the years, the portfolio has steadily expanded to include products capable of measuring additional vital signs and body composition metrics.

Since 2017, seca has also been providing these data to digital medical platforms.

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### Terminology

- **EMR (Electronic Medical Record)**  
The digital patient record created by healthcare providers for specific encounters in hospitals and outpatient settings. It can serve as a data source for an EHR.
- **TEHR (Electronic Health Record)**  
A comprehensive collection of electronic health data of individual patients or population groups.
- **PHR (Personal Health Record)**  
An electronic application for recording personal medical data that is controlled by the individual patient and can be made available to healthcare providers.

When we talk about seca integration solutions, we are referring to the medical measurements that our systems transmit to an electronic medical record (EMR). This type of digitization is commonly found in hospitals.

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### Why should our customers invest in seca integration solutions?

Digital transformation in healthcare is a key component of a patient-centered care approach. It helps healthcare providers streamline workflows, better

understand patient needs, build loyalty and trust, and deliver a better user experience. seca integration-ready devices have great potential

to enhance the end user's ability to diagnose and treat disease and to improve patient care overall.

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### Standardization

In the past, it was quite common for handwritten notes not to arrive at the correct destination – or sometimes not to arrive at all – especially when they were transferred in non-standardized ways. In the early days of healthcare, manufacturers even created their

own “languages” and formats, and interoperability did not exist. This changed when it became clear that healthcare processes could be made more efficient and streamlined through standardization. In healthcare, one of the most

important standards is **HL7 (Health Level Seven)** – a set of international standards that guide the transfer and exchange of data between different healthcare providers. seca also supports HL7.

## Prevention of Medical Errors

Correct measurements are critical in medical environments. Accurate measurements, precise results, and correct transmission of data

into an EMR/EHR/PHR can help prevent medical errors. The greater the deviation from reference values, the higher the likelihood of

misinterpretation. This is especially important in pediatric measurements, where correct references are essential.

## Example

When anesthetic dosage is based on body weight, a misplaced decimal point can easily result in a tenfold overdose or underdose. This could lead to coma, death, or insufficient anesthesia instead of full anesthesia – with all conceivable consequences.

For this reason, seca offers devices that provide extremely accurate measurements as well as software capable of transferring these data into standardized and consistent medical records, where they are accessible to all treating healthcare professionals.

To prevent such errors, seca devices and software transfer measurement results directly into the patient's EMR. The data can then be viewed, read, interpreted, and shared throughout the entire medical facility – always in the best interest of the patient.

## Why seca Integration Solutions matter:

- Reduces the risk of reading and transmission errors
- Enables consistent documentation
- Increased speed promotes efficient workflows
- Prevents medical dosing errors
- Supports reproducibility
- Supports tracking of patient status (e.g., weight changes)
- Supports efficient communication
  - Between different disciplines
  - Between different hospitals
  - Between (external) healthcare providers
- Prevents unnecessary repeat measurements

**FIND OUT MORE ABOUT OUR  
EMR-INTEGRATION HEROES AND  
REACH OUT TO OUR TEAM**



# PROFESSIONAL PROJECT MANAGEMENT :

## The seca Integration Team Supports You



## We support you throughout the entire integration process.



As a first step, our software service team works with you to create a requirements specification that is tailored directly to your existing IT system.

- Creation of a customized requirements specification for the integration services
  - Project management (coordination of the individual specialist departments)
  - Conducting a risk analysis
  - Message conversion and workflow adaptation
  - Testing of the developed interface and preparation of a test report
  - Verification and validation of the developed interface
  - Preparation of an acceptance report
  - Installation and configuration of seca measuring systems and scales
  - We Support You with Change Management
- Training for medical staff, biomedical engineering and IT teams to quickly turn new processes into routine
  - Regular software maintenance and servicing to ensure full system functionality
  - Calibration and maintenance of the measuring systems and scales, as well as fast repairs in case of damage

**GET ADVICE NOW:**  
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