The SmartScale**REb** is a lightweight caliper with patented foldable jaws and a non-incremental measuring system. When equipped with the Radio Enter Button, diameter results can be transferred from the SmartScale to the DP II computer terminal. The workmode is convenient when cruising vast areas, in dense and thick forests and to measure diameters in timber piles.

The SmartScale**REb** is durable and well balanced and suitable for all types of diameter measuring. The patented jaws are foldable and produced to endure tough strain on a daily basis. When measuring in timber stacks and piles, the slim design of the jaws offers better reach in difficult measurement places.

The SmartScale has an absolute measuring system, sealed and protected from moisture and dirt. Graduation and digits are long-lasting and very durable. Power consumption is low and a red, blinking LED light warns when the SmartScale needs to be recharged.

When using a stand-alone SmartScale**REb** with the Radio Enter Button factory assembled on the caliper handle, measuring data can be sent to the DP II computer terminal for storage and processing. Ask us for compatible software solutions for this work mode, convenient when reach and space are limited, for example in log scaling operations.

### TECHNICAL SPECIFICATION SMARTSCALE

- Large variety of scale configurations and lengths
- Patented, sealed, absolute and certified measuring system
- Patented foldable jaws with special slim design for increased reach
- Chargeable low-consuming Li-Ion battery and LED indicator light
- Measuring results are transferred with radio signals
- Haglöf Sweden® Quality Craftsmanship - experience and know-how in every detail

| **Temperature:** | Min -20° Max 60°C / Min -4° Max 140°F |
| **Energy:** | Battery: Rechargeable Li-ion, 3.7V 155 mAh |
| | Consumption: One week/charge/application depending. **Time full charge:** approx. 3 hrs. **Charger:** 5V USB charger mini B |
| **Radio:** | 2.4GHz, GFSK 1Mbps. Radio format: Internal, binary. Communication: with DP232 accessory; alt. DP II Computer Terminal 2.4GHz 0dbm. 1x CR2032 coin cell battery, approx. 1 year use |

**Measuring system:**
- **Technical:** Non contact, sealed. **Scale:** Aluminium, non reflecting, clear digits. **Jaw:** Foldable aluminium. **Adjustable sliders:** (2ea), adjustable angle/jaw (2ea). **Measuring Unit:** mm; inch

**Measuring range:**
- 500mm/18”; 650mm/24”; 800mm/30”; 950mm/36”; 1020mm/40” (standard). Scale lengths with German certification and classification: 500mm; 600mm; 800mm and 1000mm. **Accuracy:** ±1mm. **Resolution:** 1mm/0.1”

**Button:** DP Radio Enter Button

**Weight:**
- Scale length: 500mm 750g; 650mm <870g; 800mm <1000g

**Communication:**
- USB cable 2m, mini B, incl. adapter for SmartScale

**Indicator:** Battery warning red LED light blinking when weak battery

**Classification:**

**Holder:** Suitable for DPII Computer Terminal

**Accessories:** DPII Computer Terminal; DP232. External adapter for color marking system
SmartScale® package/set includes caliper in specified length and configuration with remote Radio Enter Button, scale lengths 500mm; 650mm; 800mm; 950mm; 1020mm (standard); German certification/classified scales: 500mm; 600mm; 800mm and 1000mm, foldable jaws, DP232 receiver aluminum safety case, USB cable, USB adapter, USB car adapter, AC/DC international charger.

With a custom made Haglof Sweden® DP 232 receiver, the SmartScale can communicate with external computers and handheld computers for data storage and processing. Serial data is sent from the SmartScale to the handheld with parameters Baud 1200, 8, N, 1. The format is compatible with the Haglof Mantax Digitech® digital caliper, where the first digit refers to tree species (1..8) and the following digits refer to tree diameter (0..999mm).

The DP232 accessory is synchronized with one individual SmartScale and Radio Enter Button device prior to use. Once the synchronization process is set between the SmartScale, the Radio Enter button and the DP 232, tree species can be registered by pressing the radio button x numbers of times, and according to the following example: 1 press = tree species 1; 2 presses = tree species 2; 1 short press + 1 long press = tree species 5, etc. To speed up the operation, it is possible to skip the registering of different species, which is convenient if working in homogeneous forest areas.

The DP232 uses the comport connected for power and is configured with commands through the serial port. A command is terminated with CR+LF (ASCII 13+ASCII 10). All settings are stored internally.

For the communication to work between SmartScale and computer, we recommend using Haglof ComLink software. ComLink accepts transferred field data to the receiving unit for further storage and processing.

**TECHNICAL SPECIFICATION DP232**

<table>
<thead>
<tr>
<th>Power:</th>
<th>3.5-24VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption:</td>
<td>18mA (5V/90mW)</td>
</tr>
<tr>
<td>Radio:</td>
<td>GFSK 2.4GHz 0dbm</td>
</tr>
<tr>
<td>Interface:</td>
<td>Female Rs232 1200bps, No parity, 1 stop bit</td>
</tr>
</tbody>
</table>

When using the SmartScale as a stand-alone product, the Radio Enter Button is used to send results to the DP II computer terminal or other brand handheld computers.