

<b>SIWAREX CS</b>	<b>7MH4910-0AA01</b>
Weighing electronics for scales in SIMATIC ET 200S	
<b>SIWAREX CS Manual</b>	
Available in a range of languages Free download on the Internet at: <a href="http://www.siemens.com/weighingtechnology">http://www.siemens.com/weighingtechnology</a>	
<b>SIWAREX CS "Getting started"</b>	
Sample software shows beginners how to program the scales in STEP 7. Free download on the Internet at: <a href="http://www.siemens.com/weighingtechnology">http://www.siemens.com/weighingtechnology</a>	
<b>Configuration package SIWAREX CS on CD-ROM for SIMATIC S7, version V5.4 or higher</b>	<b>7MH4910-0AK01</b>
<ul style="list-style-type: none"> <li>• Software for SIWATOOL CS scale adjustment (available in a range of languages)</li> <li>• Manuals available on CD (in a range of languages)</li> <li>• SIWAREX CS "Getting started"</li> </ul>	
<b>SIWATOOL connection cable</b> D)	<b>7MH4607-8CA</b>
from SIWAREX U/CS with serial PC interface, for 9-pin PC interfaces (RS 232), 3 m long (9.84 ft)	
<b>Installation material (mandatory)</b>	
<b>Terminal module</b>	<b>6ES7193-4CG20-0AA0</b> <b>or compatible</b>
TM-E 30 mm (1.18 inch) wide (required for each SIWAREX module)	
<b>Shield contact element</b>	<b>6ES7193-4GA00-0AA0</b>
Contents 5 items, sufficient for 5 cables	
<b>Shield connection terminal</b>	<b>6ES7193-4GB00-0AA0</b>
Contents: 5 items, sufficient for 5 cables Note: one shield connection terminal is required each for the	
<ul style="list-style-type: none"> <li>• scales connection and</li> <li>• TTY interface or</li> <li>• RS 232 interface</li> </ul>	
<b>N busbar, galvanized</b>	<b>8WA2842</b>
3 x 10 mm (0.12 x 0.39 inch), 1.0 m (3.28 ft) long	
<b>Feeder terminal for N busbar</b>	<b>8WA2868</b>
<b>Remote displays (option)</b>	
The digital remote displays can be connected directly to the SIWAREX CS through the TTY interface. The following remote display can be used: S102	
<b>Siebert Industrieelektronik GmbH</b> <b>P.O. Box 1180</b> <b>D-66565 Eppelborn</b> <b>Tel.: +49 6806/980-0</b> <b>Fax: +49 6806/980-999</b> Internet: <a href="http://www.siebert.de">http://www.siebert.de</a> Detailed information available from manufacturer.	

**Accessories**

<b>SIWAREX JB junction box, aluminium housing</b>	<b>7MH4710-1BA</b>
for connecting up to 4 load cells in parallel, and for connecting several junction boxes	
<b>SIWAREX JB junction box, stainless steel housing</b>	<b>7MH4710-1EA</b>
for connecting up to 4 load cells in parallel	
<b>Ex interface, type SIWAREX Pi</b>	<b>7MH4710-5AA</b>
With UL and FM approvals, but <b>without ATEX approval</b> for intrinsically safe connection of load cells Suitable for weighing modules SIWAREX U, CS, MS, FTA and FTC. Not approved for use in the EU.	
<b>Manual for Ex interface SIWAREX Pi</b>	<b>C71000-T5974-C29</b>
<b>Ex interface, type SIWAREX IS</b>	
With ATEX approval, but <b>without UL and FM approvals</b> for intrinsically safe connection of load cells, incl. manual Suitable for weighing modules SIWAREX U, CS, MS, FTA, FTC and CF. Approved for use in the EU.	
<ul style="list-style-type: none"> <li>• With short-circuit current &lt; 199 mA DC</li> <li>• With short-circuit current &lt; 137 mA DC</li> </ul>	<b>7MH4710-5BA</b>  <b>7MH4710-5CA</b>
<b>Cable (optional)</b>	
<b>Cables Li2Y 1 x 2 x 0.75 ST + 2 x (2 x 0.34 ST) – CY, orange sheath</b>	<b>7MH4702-8AG</b>
to connect SIWAREX U, CS, MS, FTA, FTC and CF to the junction box (JB), extension box (EB) or Ex interface (Ex-I) or between two JB's, for fixed laying, occasional bending permitted, 10.8 mm (0.43 inch) outer diameter, for ambient temperature -40 to +80 °C (104 ... +176 °F)	
<b>Cable Li2Y 1 x 2 x 0.75 ST + 2 x (2 x 0.34 ST) - CY, blue sheath</b>	<b>7MH4702-8AF</b>
to connect the junction box (JB) or extension box (EB) in a potentially explosive atmosphere to the Ex interface (Ex-I), for fixed laying, occasional bending permitted, blue PVC insulating sheath, approx. 10.8 mm (0.43 inch) outer diameter, for ambient temperature -40 ... +80 °C (104 ... +176 °F)	
<b>Cable LiYCY 4 x 2 x 0.25 mm<sup>2</sup></b> D)	<b>7MH4407-8BD0</b>
for TTY (connect 2 pairs of conductors in parallel), for connection of a remote display	

D) Subject to export regulations AL: N, ECCN: EAR99H.