

THE FOLLOWING INFORMATION IS LEGALLY RELEVANT AND IS EQUIVALENT TO THE WELMEC APPROACH

STAFS 1998:7 The Swedish Board for Accreditation and Conformity Assessment's regulations for non-automatic weighing instruments.

Annex 3

5.2 If the instrument's performance is sensitive to gravity variations the procedures referred to in 5.1 may be carried out in two stages, where the second stage shall comprise all examinations and tests of which the outcome is gravity-dependent, and the first stage all other examinations and tests. Depending on where the instrument is tested and on the number of verification scale intervals (n), the results of the second stage of verification permit the weighing instrument to be used in the geographical gravitation zones listed below. A weighing instrument having a device for compensating the effect of gravity variations is not regarded as being affected by the local value of gravity.

If the number of verification scale intervals (n) for a weighing instrument is equal to or less than 1000, the instrument may be used anywhere in Sweden, regardless of where it is verified.

For weighing instruments for which $1000 < n < 3000$, approved instruments may be used in their verification zone and in the zone on each side of the verification zone, as shown in the list at the bottom of this page.

For weighing instruments for which $3000 < n < 6000$, approved instruments may be used only in their verification zone.

For weighing instruments for which $n \geq 6000$, approved instruments may be used only at the site where they have been verified.

Convert the reading of the weighing instrument in the zone in which it is verified to the corresponding reading in the zone where it is to be used by multiplying the display value by a correction factor (k) as shown in the table below:

Value of g at the centre of the zone, (m/g ²)	9,81666	9,81840	9,82008	9,82181	9,82279	9,82432
Verification district: ⇒	Zone 1:	Zone 2:	Zone 3:	Zone 4:	Zone 5:	Zone 6:
District where used: ↓						
Zone 1:	1,000000	0,999823	0,999652	0,999476	0,999376	0,999220
Zone 2:	1,000177	1,000000	0,999829	0,999653	0,999553	0,999397
Zone 3:	1,000348	1,000171	1,000000	0,999824	0,999724	0,999568
Zone 4:	1,000525	1,000347	1,000176	1,000000	0,999900	0,999745
Zone 5:	1,000624	1,000447	1,000276	1,000100	1,000000	0,999844
Zone 6:	1,000780	1,000603	1,000432	1,000256	1,000156	1,000000

Zone 1: Counties/districts of Skåne, Blekinge, Halland, Jönköping, Kronoberg, Kalmar and Gotland.

Zone 2: Counties/districts of Värmland, Östergötland, Södermanland, Örebro, Västmanland, Stockholm, Uppsala and Västra Götaland.

Zone 3: Counties/districts of Dalarna and Gävleborg.

Zone 4: Västernorrland and Jämtland.

Zone 5: Västerbotten.

Zone 6 Norrbotten.

Annex 5

1. Marking

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Weighing instruments for which $1000 < n < 6000$ shall be marked to show the zones in which their use is valid: Those for which $n < 6000$ shall be marked to show the place at which their use is valid. Weighing instruments that have a device for compensating the effect of gravity variations do not need to be marked to show either the zone or the place of use.