NL CIML member Comments on: First Draft R 50 : Continuous totalising weighing instruments - Part 1: Metrological and test requirements Part 2: Metrological controls and performance tests

TC9 /SC2 Secretariat

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Member/ Organisation	Page number	Document clause	Comments	Proposed change
NL		general	The symbol for mass flow in ISO 80000-4 is q_m (for volume flow it is q_v)	Suggest replacing Q by q_m
NL		0.2.10 Figure 1	The way presented in figure 1 and in the table below the figure a “weighing unit” is part of a “weighing unit” which is of course incorrect. Probably an earlier comment was misunderstood. It was not the intention to change “weighing module”(0.2.10.7) in the table to “weighing unit”. Moreover Figure 1 item 5 does not concern a “Weighing unit” . It is suggested to rename 5 to “further data processing (totalising)”	Replace in the figure “Weighing unit” by “further data processing (totalising)” See proposal at the end of the comments. Revert “weighing unit” back to “weighing module”
NL		0.2.10.7	See comment above.	As to be in agreement with 0.2.10: Change “weighing unit” to “weighing module”
NL		0.3.2	weigh length (WL) distance between the two imaginary lines at the half distance between the axes of the end weighing rollers and the axes of the nearest carrying roller . When there is only one weighing roller, the weigh length is equal to half the distance between the axes of the nearest carrying rollers on either side of the weighing roller. The definition is difficult to understand. Furthermore due to the formulation of the definition it cannot be used as a substitute of the term.	Suggest for clarity to add a drawing, see proposed figure at the end of the comments. and suggest to split up as follows weigh length (WL) Either: distance between the two imaginary lines at the half distance between the axes of the end weighing rollers and the axes of the nearest carrying roller . or in case there is only one weighing roller: half the distance between the axes of the nearest carrying rollers on either side of the weighing roller.

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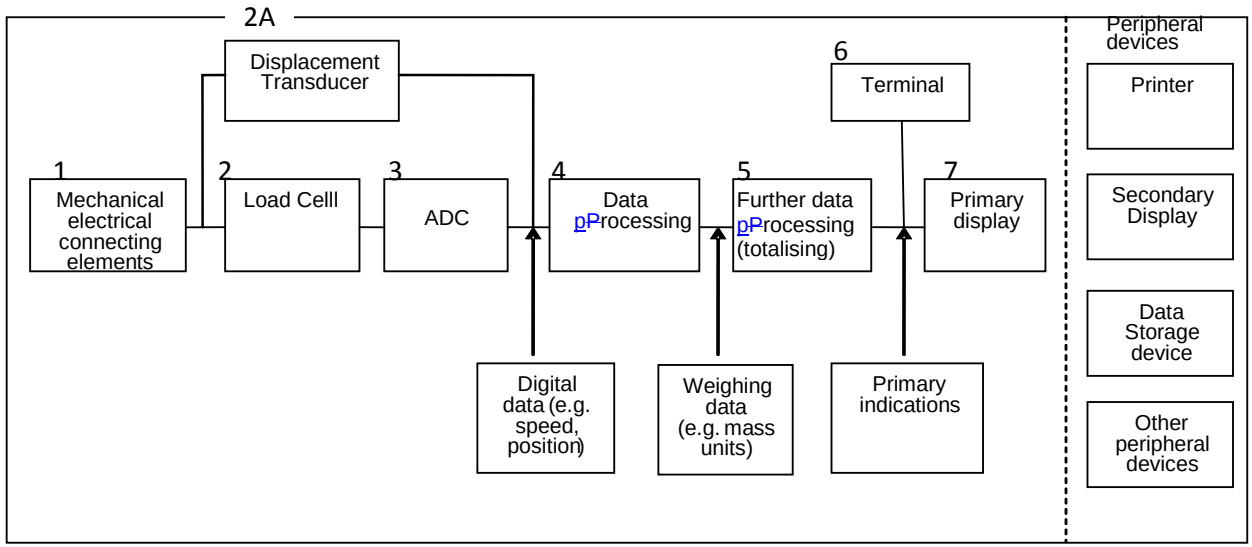
NL		2.2.2 last paragraph	This paragraph is superfluous while it is replaced by the clause 5.1.6.7. Because of not being exactly the same requirement the last paragraph now is in contradiction with 5.1.6.7. (in R50:1997 5.1.6.7 did not exist)	Delete last paragraph
NL		5.1.6.5	The clause is now very difficult to understand and probably not correct. If e is replaced with d the requirements from R76 can be copied (or a reference to R76?-)	Title**: Minimum input voltage per totalisation scale interval of the indicator** A device intended for analogue load cell(s) shall be tested at the minimum input voltage signal per totalisation scale interval, specified by the manufacturer. This is assumed to be the worst case for the performance tests and for the disturbance tests. A complete belt weigher shall not be configured in such a way that its input voltage signal per totalisation scale interval is below the value used ~~at~~ during type evaluation
NL		6.2.1 second paragraph	It is needed to apply “uncertainty” instead of “accuracy” because the calculation of “accuracy” is undefined. In general accuracy is a applied as a non-quantitative expression Only replacing “accuracy” by “uncertainty” however would lead to an incorrect clause	“The control instrument used for product testing shall enable the determination of the true quantity value of the mass of each test load to an uncertainty not exceeding ~~accuracy of at least~~ one-third of the appropriate maximum permissible error for automatic weighing in 2.2.1, Table 1.”
NL		6.3	The figure does not help in understanding where to put the load.	Clarify picture



Proposal Figure 1

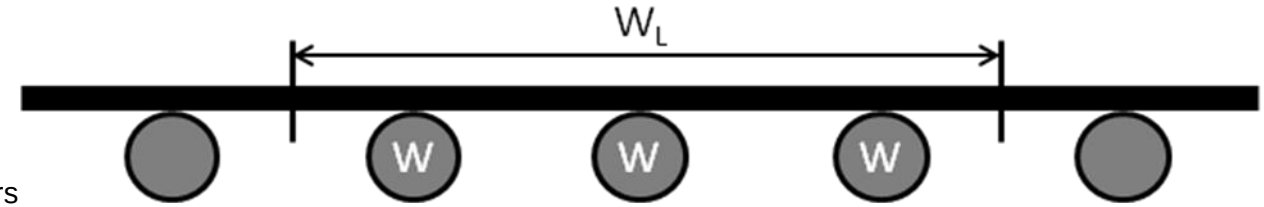


Illustration of Weigh length for 2 or more weighing rollers

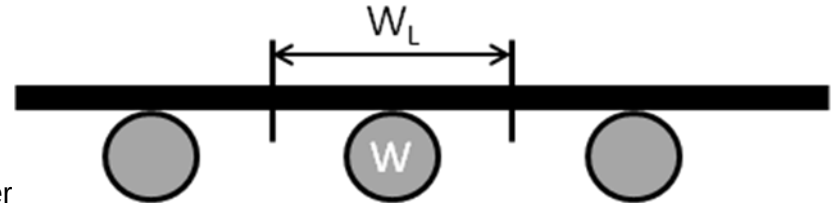


Illustration of Weigh length for 1 weighing roller