

Optimum Security for Silos and Tanks

Thames Side gains EN 1090 approval from Bureau Veritas for VC3500/LA3500 Weighing Assembly

We are pleased to announce that a special version of our popular [VC3500/LA3500](#) weighing assembly at 50.000kg, 75.000kg and 100.000kg (50, 75 and 100 metric tonnes) capacity is available with CE marking and approval according to EN 1090 and the Construction Products Regulation (CPR) 305/2011.

Silo / tank manufacturers and process engineers are responsible for ensuring that the used materials and components comply with the latest directives. Load cells and fabricated (welded) mounting accessories used for the weighing of silos and tanks bear a static load and they could be considered within the scope of the European norm EN 1090 and the Construction Products Regulation. The interpretation and implementation of these documents will vary from country to country and the client must individually examine their individual requirements.

EN 1090 is a harmonised standard that regulates the fabrication and assembly of steel and aluminium structures. The application of the norm EN 1090 is designed to assure product quality through uniformly defined technical requirements. Since 1st July 2014, load bearing, structural steelwork and aluminium must bear a CE mark to show compliance with EN 1090-1 (the harmonised European standard that applies to structural components).

A fundamental pre-requisite for the CE marking of structural steel or aluminium components is a certified Factory Production Control (FPC) system, which assures that the CE marked products have been developed, constructed, purchased, manufactured and assembled specifically according to the respective standards and regulations. Considering that a load cell and its mounting accessory are an essential structural component of a silo, the verification of their static load handling performance is especially important. Thames Side has obtained a Factory Production Control (FPC) certificate from Bureau Veritas.

The specially certified version of the [VC3500/LA3500](#) weighing assembly from Thames Side utilises a galvanised mounting accessory. This product will give customers additional security of performance and will also save the time and costs of third party verification of its static strength.

It is important to note that for load cell capacities up to 30.000kg (30 metric tonnes) our unique [MasterMount®](#) weighing assembly can be used without the need for CE marking, because it is a cast assembly and 'castings' are exempt from the scope of EN 1090. More information can be found here:

- [European Commission website](#) FAQ section (refer to Question 31)
- [Link to a list of exempt products](#) hosted at the European Commission website

For further details and product specifications, telephone us on +44 (0) 118 941 1387 or send an email to sales@thames-side.co.uk