

The guidelines followed by tmg in marking its electrical thermometers with the CE code are given below. tmg ensures its markings are correct. False designations are an infringement of the law.

1. Directive 2014/30/EU relating to electromagnetic compatibility

The above directives do not apply to resistance thermometers and thermocouples without transmitters as these are constructed as component elements. It is not permissible to give them a CE marking and an evaluation of conformity with the directives.

2. Directive 2014/68/EU concerning pressure equipment

Thermometer fittings or thermometer protection tubes are “installations with an operational function without their own surge chamber” and therefore do not constitute a pressure accessory part within the meaning of the Directive. Thermometers are also only part of a complete safety chain and therefore not classified as pressure accessory part with safety function.

Thus, these components do not require a conformity assessment and CE marking.

3. Machinery Directive 2006/42 / EC

Resistance thermometers and thermocouples are not considered to be machines within the meaning of the Directive. CE marking and conformity assessment are not permitted.

4. Low voltage directive 2014/35 / EU

The operating voltage of electrical thermometers is less than 50V DC. The low-voltage directive is therefore not applicable.

5. CE-marking of thermometers with installed transmitter

In contrast to the points above, temperature transmitters, when they are installed, do carry a CE marking. In this case, the CE designation is included in the part of the label which relates to the transmitter.

6. Directive 2014/34/EU concerning equipment and protective systems intended for use in potentially explosive atmospheres

Thermometers manufactured according to the ATEX directive (which are thermometers for the use in hazardous areas) also receive a CE marking in accordance with the regulations and this is found on the identification plate, next to the number relating to the relevant item. Explosion-proofed electrical thermometers, which, according to the standards, will only receive a minimal marking, have this designation engraved (for instance, by laser) directly on the fitting.