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Application Report on Thermal Imaging Camera PCE-TC 31

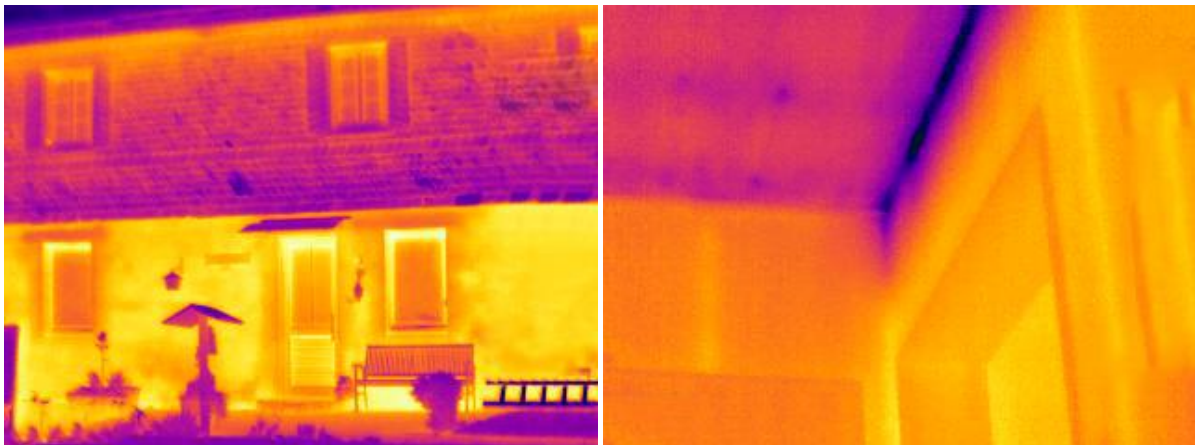
Since I am a private user, owning a few old rental properties that need renovation, I was looking for a cost-effective solution to detect the thermal bridges from outside in my houses. During long searching on the Internet and reading innumerable articles, I noticed that the term "thermal imaging camera" has often been mentioned. After that I started looking for a suitable camera, which had a high cost-benefit factor for my needs. I found the website of PCE Deutschland GmbH on the Internet. After a short telephone consultation with a technician of the company (telephone number can be found on the website), I was recommended the PCE-TC 31 thermal imaging camera. There is also a lower-priced model, however, in this case the resolution of the thermal image is much lower, which, according to the technician, seemed to be less suitable for my application



Further searches on the websites of other manufacturers were not satisfactory, because there one only gets too information, but a telephone number is hard to find; for a layman, in this area, it is rather unpleasant.

Once again, I contacted the technical department of PCE Deutschland GmbH by telephone in order to make it sure once again and to turn my plan to buy the PCE-TC 31 thermal imaging camera to reality. Without further ado, the order was also made by telephone. After I had settled the invoice amount in advance (is probably the usual procedure in PCE for private purchase), just a few days later the thermal camera was delivered to me by DHL. The packaging was undamaged and I took the camera out immediately to check the completeness. I started by reading the substantial user manual and then tried the camera in my house. Since my own house is relatively new, no thermal bridges were found here.

In the next days, I went to one of my rental properties and thermographed (as the specialist said) it from outside from all the sides. On the screen, rather significant temperature differences, for example, on the old windows, were visible at once; this was confirmed later during the evaluation of the images in the supplied, free software. Also thermal bridges were to see at the transitions from the roof to the masonry. From inside, I repeated the measurements on every window and in the attic; here the differences were not so clearly visible (it was very cold outside at that time), because inside the temperature was, of course, higher. I showed the pictures to my friend, who is a carpenter, and he recommended a renovation or exchange of the windows as well as an insulation of the rooftop for the energetic improvement of the object.



With this thermal imaging camera, I can quickly and easily (even for a layman) find thermal bridges in my houses and initiate appropriate restoration measures, without prior hiring a company for carrying out these measurements, and thus avoid additional expenses.