4 Design

4.1 Sealing arrangements

4.1.1 Housing for panel mounting

The keypad can be sealed by two sealing screws in the upper left and lower right corner of the keypad. The sealing wire needs to be fed through the whole in the enclosure and through the sealing screw and a seal needs to be attached to the wire.

Sealing of the PC-Card cover or the terminal cover is done by means of a sealing screw and the splicing plate of the PC-Card cover or the terminal cover. After placing and fixing the cover the sealing screw is fixed through the whole in the splicing plate and then sealing wire needs to be fed through the holes in both the splicing plate and the sealing screw and finally a seal is attached to the wire. Alternatively the PC-Card cover can also be secured with a padlock (according to the VDEW requirement definition for electronic watt-hour meters, Version 2.0).

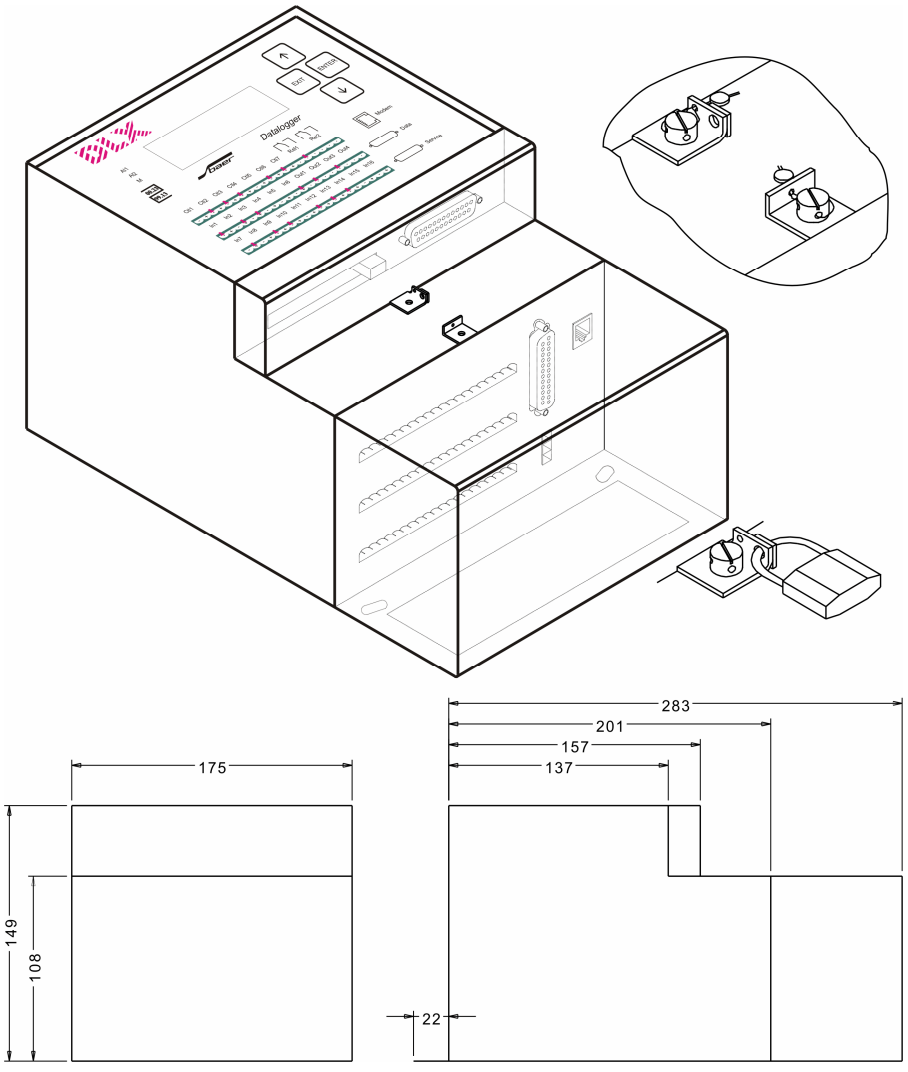

Figure 10, Dimensions and sealing arrangements for covers

4.1.2 19"-rack

At the 19“-rack the keyboard and the back are sealed using sealing screws (four at front, six at back). The complete unit then can be plugged into the 19“-rack and fixed using four knurled screws (see M3 thread at front).

➢ **The eight sealing screws at the sides must not be removed! To uncover the parameter switch remove the sealing screws at the back.**

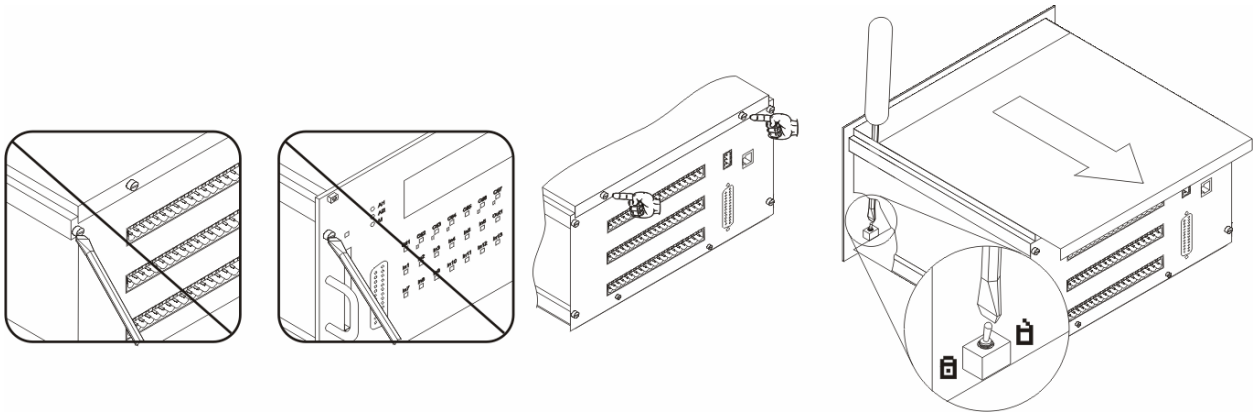

Figure 11, Sealing arrangements for 19”-rack

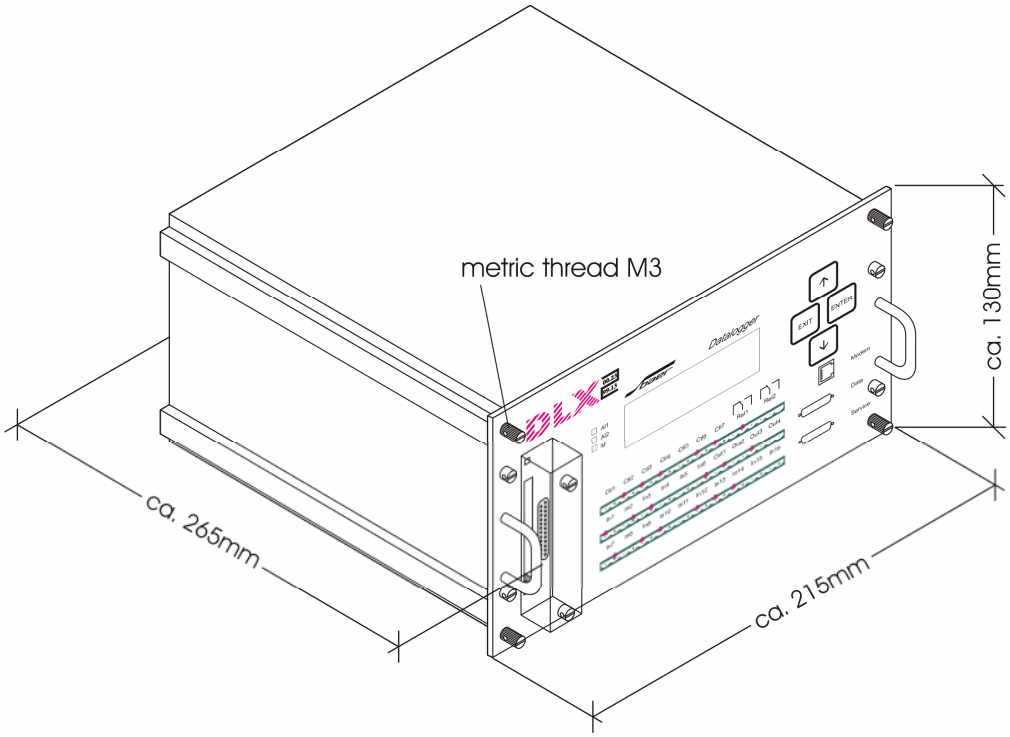

Figure 12, Dimensions of 19”-rack