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Extension of the A033-ET family

The A033-ET is commercially available from 2010 and it is permanently improved in performance and stability. Up to now 66 devices have been manufactured and delivered to the end customer. 55 from these devices have the parallel interface with PC and require the special software in this PC for A033-ET control and measurement data collection. The new developed A033 Server console provides for A033 Server service fully compatible with the previous Client software of the A033-ET. The A033 Server console interacts with A033 device via Raspberry GPIO and with the A033Client1 and A033Client2 software via Ethernet. All these functions are implemented in the Raspberry Pi 2, which is placed into Hammond box (160x125x52mm) with the connection PCB. The device has digital display for the status indication and all necessary connectors to get access to Raspberry operational system. The A033 Server console realizes all functions of the previous A033 Server and increases the average measurement rate of A033-ET system up to 160,000 samples per second.