

Evolution of R-22MED to Diving Sensors

Originally the standard R-22MED was used. This had the metal grill on the front & no conformal coating. The output was 7-13mV



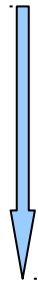
The R-22BUD was developed from the medical sensor. Hydrophobic membrane was added along with conformal coating to the PCB. Breathing holes were added to the PCB.



R-22-2BUD had the output raised to 8-13mV as APD had a software watch to monitor the falling output. The new temperature compensation was not added



The R-22DAP which is identical to the R-22-2BUD except it has the Radial connector. Vandagraph raised the output to 9 as divers were not accepting sensors with 8.1mV. The new patented temp compensation was added



Oxycheck convinced Teledyne to manufacture the R-22D. This was similar to the R-22BUD 7-13mV but also had the new temperature compensation circuit added



The R-22D was upgraded to 8-13 mV as some sensors were not working in APD rebreathers. This sensor has become a generic rebreather sensor.