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Connecting the X-Link for Independent Triple O2 Cell Monitoring on a Megalodon

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The objective of this project is to connect the X-link pPO2 monitor to three independent O2 cell sensors to achieve total redundancy from the rebreather in-built Primary and Secondary display electronics. This can be easily achieved on most rebreather counterlungs which have been fitted with a p-port connector by the manufacturer or by a competent person.

1. Items required (sourced from www.tecme.de):



P-port Style O2 Cell Holder

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O2 Cell Sensors AI PSR-11-39-TME



Cable with 7 pin Fisher plug, Molex connectors, and cable gland

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P-port and optional p-port plug

2. Here are some pictures of the assembled parts into a Megalodon counterlung:



P-port with plug inserted.

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P-port with plug removed.



P-port cage easily fits into the counterlung.

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P-port cage threaded and secured to the p-port.

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P-port O2 cell holder assembled and ready for insertion into counterlung p-port.

Please note that I requested a second o-ring to be added for extra safety (you see two o-rings just above the O2 cells and below the cable gland as the standard O2 cell holder comes with a single o-ring only).

By far the simplest solution is to buy the lot ready assembled plug-and-play by Tecme directly!

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