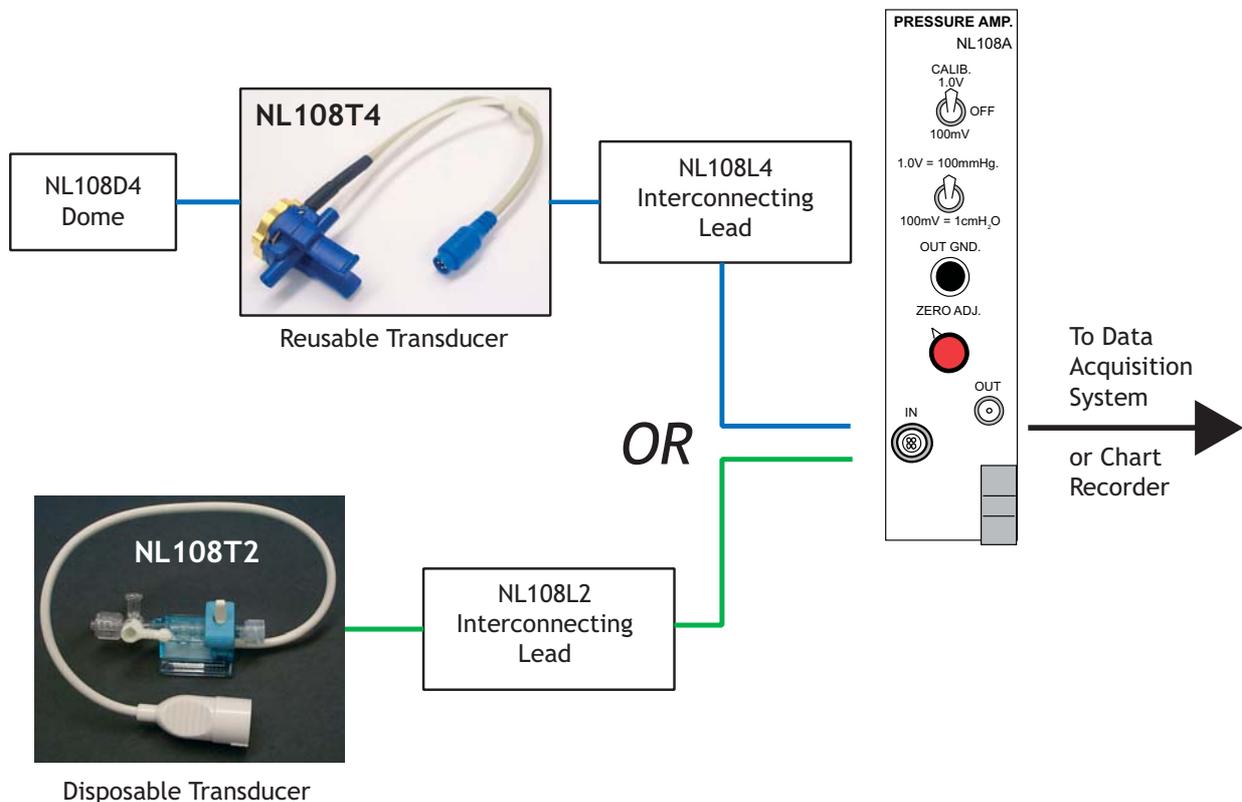


Measurement of Physiological Pressures with the NeuroLog System

The NeuroLog System is more than just an electrophysiology tool, as the range also includes the **NL108A PRESSURE AMPLIFIER** which allows you to record physiological pressures independently or alongside your electrophysiological data. Because measurement of a single pressure parameter requires only one module to be installed into the **NL900D CASE & POWER SUPPLY**, a single rack can be used to amplify pressure readings from up to 13 preparations simultaneously.

The **NL108A** provides two gain settings, one appropriate for blood pressure and the other for low pressure measurements such as intra-tracheal pressure. The amplifier has a built in calibration feature for these two ranges, as well as a push button zero function as well as a sensitive zero offset dial.



Digitimer supply two types of transducer, the **NL108T2** which is a disposable type and the **NL108T4** which is reusable. The **NL108T4** needs to be fitted with disposable domes (**NL108D4**) before use. Although the **NL108T2** is described as single-use, many of our customers find that for non-human research use, the transducer can be used several times before it need to be replaced. In order to connect either transducer to the input of the **NL108A** an appropriate interconnecting lead is required. Digitimer recommend use of our **NL951B-1m** or 2m Lemo to BNC cables to take the amplified signal from the Pressure Amplifier into an acquisition interface with BNC input sockets.

Please note that although the **NL108A** has been designed especially for our own range of pressure transducers, due to its internally adjustable excitation voltage and gain settings, it can be set up to use with many other standard pressure transducers and even strain gauges.