

D501 Isolated Temperature Monitor

Isolated for Safety • Compatible with QtracW Software • Thermistor Included

Introduction

The NEW Digitimer D501 Isolated Temperature Monitor is specifically intended for use with QtracW software for monitoring human body temperature during muscle and axonal excitability measurements. Featuring USB power and data transfer to QtracW software, the D501 has a large LCD screen allowing temperature to be monitored visually while a protocol is in progress.

Data obtained from in vivo physiological studies are highly temperature dependent, and because a QtracW protocol can take 10-15 minutes to complete any changes in body temperature will be reflected in the results. By recording skin temperature alongside excitability measurements, changes can be controlled for, or at least checked for significant shifts during a recording. The ability to continuously record temperature alongside excitability data and the wide calibration range of the D501 (0 to 50 Celsius) also mean that research studies specifically intended to examine the effects of cooling or heating are easily accomplished.



Designed for Safe Use in Human Research Studies

The D501 is supplied with a USB cable and a compact, 5mm diameter, cable-mounted disc thermistor, which is easily attached to the skin, either using micro-pore tape or by placing it under a self-adhesive stimulating electrode. Please note that while the D501 has been designed to provide medical device compliant levels of isolation, it is not a certified medical device and is marketed specifically for human research applications. Also, although the D501 has been specifically developed for use with QtracW software, we expect it to have wider uses, where there is a requirement to monitor the temperature of a subject or animal in a safe, electrically isolated manner.



For more information about the D501 Isolated Temperature Monitor please contact:-

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