

# Comparison between the G1 and G2 Tenderometers

	G1 Tenderometer	G2 Tenderometer
<b>Weight</b>	A bulky 12kg machine with limited portability that could not be hand held.	A 2kg machine that is portable and can lend itself to handheld operation.
<b>Power Source</b>	Reliant on pneumatic pressure requiring connection to an air compressor. This made the device a more permanent fixture.	Runs of mains power or can also be operated using battery power, adding an element of portability.
<b>Data Capture and Analysis</b>	Readings displayed on an LED screen in Kilo pascals, that were manually collected, and converted to Kilograms shear force (Kgfs).	Readings are collected automatically in Kgfs eliminating manual recording and conversion of data.
<b>Sample Loading and Shearing</b>	The use of a moving shearing blade to cut static meat samples, which could lead to confounding readings due to internal friction.	Uses a dynamic meat sample loading system with a static shearing blade and load cell, giving more consistent readings.