



**APPLICATION SUMMARY**

Hip joint prosthetics, like most prosthetics are not one size fit all. Advancements in 3D printing technologies such as Direct Laser Metal Sintering (DLMS) have allowed for lower cost, custom, metallic implants. Reliability, durability, and fatigue resistance are critical for implant survivability in a patient. Fatigue and force testing is required to comply with ISO 7206-4, 6 and PI-58 (ISO 7206-8), and ASTM F 2580 test specification for hip implants. By incorporating load cells with amplifiers incorporating digital and analog signal output capabilities, tests can be easily automated and recorded for compliance purposes.

**PRODUCTS IN USE**

FUTEK's Universal, Tension and Compression Load Cell (LCF300) coupled with FUTEK's IDA100 Digital Amplifier with Analog and Digital Output.

All FUTEK application illustrations are strictly conceptual. Please contact us with questions.

