Chapter 9, Problem 83.

An inductive bridge balances when $\boldsymbol{R}_1$ = 1.2 kΩ, $\boldsymbol{R}_2$ = 500 Ω, and $\boldsymbol{L}_s$ = 250 mH. What is the value of $\boldsymbol{L}_x$, the inductance of the inductor under test?