OMEGA introduces its CO Series Cement-On, fast response thermocouples for fast surface temperature measurement applications in four convenient styles. Styles 1, 2 are made from 0.13 mm (0.005") thermocouple alloy & Style 1-B is made from 0.18 mm (0.008") thick thermocouple alloy by a special process where the butt welded thermocouple junction are very thin and flat. Styles 1, 1-B and 2 are flat, extremely low inertia construction and are an ideal means of measuring the temperature of both flat and curved metals, plastic and ceramic surfaces where very fast response is desired.

OMEGA’s Cement-On Style 1, 1-B and 2 thermocouples are fabricated from ANSI “Special Limits of Error” grade thermocouple materials in K, E and T calibrations and yield accurate temperature indication when used with standard thermocouple instrumentation. Styles 1, 1-B 2 have the fastest response. Style 3 is an economy version constructed from 0.25 mm (0.010") diameter bead welded standard limit of error thermocouple wire. It should be used where extremely fast response is not essential.