

234

SYNOPSIS

	Number and Title of the Indian Standard	IS 17180 : 2020 Guidelines for Using Infrared Thermography for Condition of Rotating Component
a)	Scope	This guideline covers application of infrared thermal imaging method to detect non-uniform temperature and also to detect adverse distribution of heat during service, by mapping isotherms. Compressors, motors, fans, pumps, vacuum sets, conveyors etc, generally referred to as mechanical equipment. They have rotating components such as motor, shaft, pump, bearings, casings, couplings, v-belts, pulley, chain drives and gearboxes which are designed to transfer mechanical energy with minimal losses through friction. This guideline is applicable for condition monitoring of these components to detect hot spots. This guideline may involve use of equipment and materials in the presence of heated, moving or electrically energized equipment or all of these.
b)	Salient features of content	This Standard includes Terminologies, Method of Test, Techniques of Infrared Therography, Calibration and Checking, Significance and Use, Procedure, and Report,
c)	Type/Grade/Class if any, covered in Indian Standard Specification	-
d)	Disclaimer	-