

PRODUCT DATA SHEET: HPT717 Pressure/Temperature Transducer

INTRODUCTION

Hansen Technologies Corporation introduces the first integrated pressure/temperature transducer model HPT717 for industrial refrigeration service. This robust transducer can be used in a variety of applications including superheat sensing, sub-cooled liquid sensing, and non-condensable gas sensing. The HPT transducer measures both temperature and pressure at the same point in the system, calculates superheat or sub-cooling, and outputs a 4-20 mA signal. The HPT transducer measures superheat or sub-cooling of refrigerant over a temperature range of -35°F to +150°F (-37°C to +65°C) with higher accuracy than other commonly available methods.

KEY FEATURES

Specifically designed for industrial refrigeration

Replaceable solid-state electronics

Signal output: 4-20 mA

Input power: 24 VDC

Watertight NEMA4 (IP65) enclosure

3/4" NPT connection

Accuracy: +/- 1°F (0.6°C) superheat/sub-cooling

Safe Working Pressure: 400 psig (27 bar)

Ambient Temperature Range: -20°F to +125°F
(-30°C to +50°C)

Standard model is suitable for ammonia

Also available for R-22, R-134a, and many other refrigerants with the appropriate refrigerant key

APPLICATIONS

Measurement of superheat to control an electronic expansion valve

Measurement of superheat entering or exiting compressor

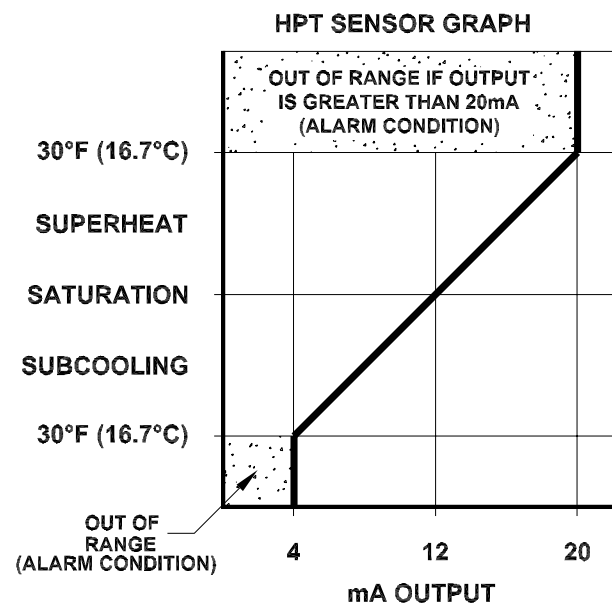
Measurement of sub-cooling

Measurement of non-condensable gases at outlet of condenser



**HPT717 PRESSURE/
TEMPERATURE TRANSDUCER**

HPT SENSOR GRAPH



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