

Environmental Limits

Transmitter Temperature	
Operating temperature	-35°C to +85°C (-31°F to +185°F)
Storage temperature	-52°C to +100°C (-62°F to +212°F)
Probe Temperature	
Operating temperature	-52°C to +177°C (-62°F to +351°F)
Storage temperature	-52°C to +177°C (-62°F to +351°F)
Relative humidity	100% condensing, non-submerged, with protection of coaxial connectors.

Mechanical

Transducer tip material	Polyphenylene sulfide (PPS).
Transducer case material	AISI 303 or 304 Stainless Steel (SST).
Probe Cable	75Ω coaxial, fluoroethylene propylene (FEP) insulated.
Cable armor (optional)	Flexible AISI 302 SST with optional FEP outer jacket.
Tensile strength	222 N (50 lbf) probe case to probe lead, maximum.
Transmitter weight	0.43 kg (0.9 lbf).
Total system weight	0.82 kg (1.8 lbf) typical.

Thread Engagement Limits

Probe Case Thread	Maximum Length of Thread Engagement
1/4-28	0.375 in
3/8-24	0.563 in

Probe Case Thread	Maximum Length of Thread Engagement
M8x1	12 mm
M10x1	15 mm

 Maximum thread engagement lengths are per the industry standard of 1.5 times the nominal thread diameter. A fit class matching that of the external probe thread is assumed for all internal threads. Applications with thread engagement lengths exceeding the values in the table above may exhibit binding during installation. Contact your Bently Nevada representative if you require probe thread engagement lengths exceeding the values above. Bently Nevada does not replace proximity probes under warranty due to excessive thread engagement lengths.

 When drilling and tapping a mounting hole for a 1/4-28 probe, a #3 or larger tap drill is recommended.