

ET response to discontinuities and variables

MANIK TRADING technical reference table

Factor	Likely response	Limitation
Surface crack	Strong with suitable orientation	Crack direction and probe matter
Pit/void	Amplitude/phase change	Deep location reduces response
WT/OD change	Geometric signal	May be confused with a flaw
Metallurgical change	Conductivity/permeability change	Must be separated from flaw response
Tube end	End effect and blind region	End-effect length must be established

Source / basis: ISO 15549 — Eddy current testing, general principles; ISO 15548 equipment series