Instrument Versions MANTIS vs GEKKO

Functions / Instrument Types	MANTIS 16:64PR	MANTIS 16:64PR TFM16	MANTIS 16:64PR TFM64	GEKKO 32:128PR	GEKKO 32:128PR TFM32	GEKKO 32:128PR TFM64	GEKKO 64:64PR	GEKKO 64:64PR TFM64	GEKKO 64:128PR	GEKKO 64:128PR TFM64	GEKKO 64:128PR TFM128
Conventional single transducer US und TOFD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Linear array & TR linear array probes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Plate geometry and weld overlay	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Scanner with up to 2 encoded axes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Linear, sectorial and compound scanning	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
True depth, soundpath and projection focusing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Active aperture with up to 16 elements	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Scan plan feature w/ selectable skip display	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Calibrating functions for sound velocity, probe, TCG/DGS…	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PRF up to 12 kHz	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Customizable layout report report design	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Embedded analysis tools	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pipe geometry and weld overlay (circular and longitudinal)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multigroup inspection (up to 8)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2D DXF file import for CAD overlay		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nozzle and fillet weld geometry			✓	✓	✓	✓	✓	✓	✓	✓	✓
Scanning up to 3 encoded axes			✓	✓	✓	✓	✓	✓	✓	✓	✓
PRF up to 20 kHz			✓	✓	✓	✓	✓	✓	✓	✓	✓
Matrix array and TR matrix array probes			✓	✓	✓	✓	✓	✓	✓	✓	✓
FMC data recording			✓	✓		✓		✓			✓
4 independent P/R channels for conventional UT and TOFD				✓	✓	✓	✓	✓	✓	✓	✓
PRF up to 20 kHz				✓	✓	✓	✓	✓	✓	✓	✓
Active aperture with up to 32 elements				✓	✓	✓	✓	✓	✓	✓	✓
Active aperture with up to 64 elements							✓	✓	✓	✓	✓
Up to 128 elements probe or 2 x 64 elements probe				✓	✓	✓			✓	✓	✓
TFM direkter Modus (LL oder TT)		✓	✓		✓	✓		✓		✓	✓
TFM in indirect and converted waves modes			✓		✓	✓		✓		✓	✓
TFM calculation using 16 elements		✓	✓		✓	✓		✓		✓	✓
TFM calculation using 32 elements			✓		✓	✓		✓		✓	✓
TFM calculation using 64 elements			✓			✓		✓		✓	✓
TFM calculation using 128 elements											✓
Adaptive TFM module with up to 64 elements								Option		Option	Option