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IKM Instrutek AS

Functionality matrix

AT-series shaft alignment system

The precise adjustment of rotating machinery components to ensure they align correctly, reducing wear and energy consumption.



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Functionality matrix - AT-series shaft alignment system



Specification	Acoem AT-100	Acoem AT-200	Acoem AT-300	Acoem AT-400	EXO
Measurement Distance	2m	10m	15m	20m	5m
Laser type	Line laser	Line laser	Line laser	Point laser	Line laser
Detector	1-axis 20mm, Digital sensor	1-axis 30mm, 2nd gen Digital sensor	1-axis 30mm,3rd gen Digital sensor	2-axis 20mmx20mm, PSD	1-axis 30mm, 2nd gen Digital sensor
Detector resolution	0.01mm	0.001mm	0.001mm	0.001mm	0.001mm
Measurement accuracy	1% ± 1 digit	0,3% ± 7 µm	0,3% ± 7 µm	1% ± 3 µm	0,3% ± 7 µm
Inclinometer resolution	1°	0,01°	0,01°	0,01°	0,01°
Inclinometer accuracy	±3°	±0,2°	±0,1°	±0,1°	±0,2°
Operating time:	11h	11h	18h	8h	12h
Gyroscope accuracy	-	±1°	±1°	±1°	-
Environmental protection:	IP54	IP65	IP65	IP65	IP65
Temperature	0 to 50°C	-10 to 50°C	-10 to 50°C	-10 to 50°C	0 to 50°C
App/Feature	Acoem AT-100	Acoem AT-200	Acoem AT-300	Acoem AT-400	EXO
Shaft Alignment Horizontal Machines					
Tripoint	Available	Available	Available	Available	Available
Softcheck	Available	Available	Available	Available	Available
PDF-report	Available	Available	Available	Available	Available
Configuration menu	Available	Available	Available	Available	Available
Clock/Express-mode		Available	Available	Available	Available
Machine List		Available	Available	Available	Available
Target Values		Available	Available	Available	Available
Feet Lock		Available	Available	Available	Available
Cloud Access		Available	Available	Available	Available
Coupling Gap		Available	Available	Available	Available
Advanced configuration		Available	Available	Available	Available
FLIR One support			Available	Available	Available
Spacer shaft			Available	Available	Available
Choice of Stationary machines			Available	Available	Available
Multiple Feet			Available	Available	Available
Multipoint			Available	Available	Available
2-axis alignment				Available	
Sweep				Available	
0.001 Displayed resolution				Available	
Off-set/Cardan Shaft			Available	Available	Available
Hot-Check			Available	Available	Available
Shaft Alignment Vertical Machines		Available	Available	Available	Available
Vertical Tripoint - gyro			Available	Available	
Accessories	Acoem AT-100	Acoem AT-200	Acoem AT-300	Acoem AT-400	EXO
Mag base	Not available	Option	Standard	Standard	Option
Mag V-bracket 2pcs	Not available	Option	Standard	Standard	Not available
Extension Chain 2pcs	Option	Option	Option	Option	Option
Rod kit 100mm	Option	Standard	Standard	Standard	Standard
Extension fixture 49mm	Not available	Option	Standard	Standard	Option
Run Out Probe	Option	Option	Option	Option	Not available

*Contact us at cm.ikminstrutek@IKM.no for the entire alignment system range.