

SERIE IDLCH - dual-axis digital display inclinometer



IDLCH01

Measuring range : $\pm 5/10/15/30^\circ$

X - Y axis

Accuracy : 0.05°

Parameters		-05	-10	-15	-35	Unit
Measuring axis		X,Y	X,Y	X,Y	X,Y	°
Resolution		0.01	0.01	0.01	0.01	°
Absolute accuracy	20°C-40°C	0.02	0.05	0.08	0.1	°
ZERO temperature coefficient	-10 ~ 70°	± 0.006	± 0.006	± 0.006	± 0.006	°/°C
Sensitivity temperature coefficient	-10 ~ 70°	≤ 100	≤ 100	≤ 100	≤ 100	ppm/°C
Power on stability time		10	10	10	10	S
Response time		0.2	0.2	0.2	0.2	s
Response frequency		1~8	1~8	1~8	1~8	Hz
Electromagnetic compatibility	According to EN61000 and GBT17626					
Insulation resistance	$\geq 100M$					
Shockproof	10g@11ms, 3Times/Axis(half sinusoid)					
Anti-vibration	10grms、10~100Hz					
Waterproof class	IP65					
Accessories	220V power charger					
Weight	90g(without accessories)					



IDLCH001

Measuring range : $\pm 5/10/15/30^\circ$

X - Y axis

Accuracy : 0.005°

Parameters		-05	-10	-15	-35	Unit
Measuring range		± 05	± 10	± 15	± 35	°
Measuring axis		X,Y	X,Y	X,Y	X,Y	°
Resolution		0.001	0.001	0.001	0.001	°
Absolute accuracy	20°C-40°C	0.003	0.005	0.005	0.01	°
ZERO temperature coefficient	-10 ~ 70°	± 0.002	± 0.002	± 0.002	± 0.002	°/°C
Sensitivity temperature coefficient	-10 ~ 70°	≤ 100	≤ 100	≤ 100	≤ 100	ppm/°C
Power on stability time		10	10	10	10	S
Response time		0.2	0.2	0.2	0.2	s
Response frequency		1~8	1~8	1~8	1~8	Hz
Electromagnetic compatibility	According to EN61000 and GBT17626					
Insulation resistance	$\geq 100M$					
Shockproof	10g@11ms、3Times/Axis(half sinusoid)					
Anti-vibration	10grms、10~100Hz					
Waterproof class	IP65					
Accessories	220V power charger					
Weight	90g(without accessories)					

IDLCH11

Measuring range : $\pm 180^\circ$

X-axis

Accuracy : 0.1°



Parameters		Unit
Measuring accuracy	$\pm 0.1^\circ$ (0°, 90°, 180°, 270°) $\pm 0.2^\circ$ < other angle	°
Working Temperature	0° ~ +45°C	°/°C
Working current	<100	uA
Working humidity	85	%RH
Display resolution	0.1	°
ZERO Temperature drift	0.05 to 0.005%F.S/°C	%F.S/°C
Power	3V Lithium battery (CR2032 Type)	V
Power consumption	<100	mW
Dimension	L50mm*W50mm*H32mm	mm



