

KiDAQ measurement modules overview

Measurement module type	5501A	5502A	5505A	5506A	5509A	5512A	5514A ⁽¹⁾	5517A	5518A	5521A	5522A	5525A ⁽²⁾	5526A ⁽²⁾	5528A ⁽²⁾	5529A ⁽²⁾	5531A ⁽¹⁾	5534A ⁽¹⁾	5535A ⁽¹⁾
Analog input channels	2	4	8	8	4	4	8	8	2	8	4	4	4	4	4	-	-	-
Digital input channels	2	-	2	2	-	-	-	-	4	-	-	-	-	-	-	4	8	6
Sampling rate (S/s)	100 k	20 k	20 k	20 k	100 k	100 k	20 k	20 k	20 k	100	10	20 k	100 k	100 k	100 k			

	5501A	5502A	5505A	5506A	5509A	5512A	5514A ⁽¹⁾	5517A	5518A	5521A	5522A	5525A ⁽²⁾	5526A ⁽²⁾	5528A ⁽²⁾	5529A ⁽²⁾	5531A ⁽¹⁾	5534A ⁽¹⁾	5535A ⁽¹⁾
Analog signals																		
Voltage	■	■	■ till 10 V	■ till 100 V		■	■			■								
Voltage (isolated 1.2 kV)													■	■	■			
Voltage (range up to 1.2 kV)														■	■			
Current	■	■	■	■										■	■			
Resistance	■	■									■							
Potentiometer	■	■																
Pt100, Pt1000 (RTD)	■	■									■							
Thermocouples	■	■								■								
Thermocouples (isolated 1.2 kV)												■						
Strain gauges	■	■						■	■									
Inductive full and half bridges									■									
LVDT (Displacement)									■									
Piezoelectric sensors					■													
IEPE sensors (Piezotron)	■					■												
MEMS capacitive sensors (K-Beam)							■											
Digital signals																		
Frequency																■	■	■
Pulse width																■	■	■
Counter signal																■	■	■
Time																■	■	■
Status	■		■	■					■							■	■	■
TEDS	■					■												

(1) Launch: Spring 2019 (2) Availability upon request