

Module Selection Guide

Supports 16 CH • High Accuracy • High Noise Immunity • Low Internal Noise

Input	Model	Speed/ Resolution	CH	Isol.	Max Input (DC+ACpeak)	DC Accuracy (Typical)	Features
Analog voltage	701250	10 MS/s 12-bit	2	Yes	600 V ¹ 250 V ²	±0.5%	10 MS/s 12-bit, bandwidth 3 MHz, 3 times more accurate (0.5%), high noise immunity
	701251	1 MS/s 16-bit	2	Yes	600 V ¹ 140 V ²	±0.25%	1 MS/s 16-bit, bandwidth: 300 kHz, high accuracy (0.25%) high sensitivity range (1 mV/div), low residual noise (±100 µVtyp), high noise immunity
	701260	100 kS/s 16-bit	2	Yes	1000 V ¹ 850 V ²	±0.25%	High voltage (direct 850 V input), high accuracy (0.25%), with RMS, high noise immunity
	701255	10 MS/s 12-bit	2	No	600 V ^{3 1} 250 V ²	±0.5%	10 MS/s, 12-bit non-isolated, non-isolated version of the 701250
Temperature	701261/62	100 kS/s 16-bit (Voltage) 500 S/s (Temperature)	2	Yes	42 V	±0.25% (voltage)	Universal modules (both temperature and voltage input), voltage, 100 KS/s16 bit, temperature 500 S/s, wide voltage range (20 V–5 mV/div), TC (KEJTLUNRSBW iron-doped, gold/chromel), with anti-aliasing filter (701262).
Temperature	701265	500 S/s 16-bit	2	Yes	42 V	±0.08% (voltage)	Both temperature/voltage inputs, bandwidth: 100 Hz, thermocouple (KEJTLUNRSBW ,iron doped gold/chromel), High accuracy voltage (0.08%), high sensitivity range (100 µV/div), low internal noise (±4 µVtyp)
Acceleration	701275	100 kS/s 16-bit	2	Yes	42 V	±0.25% (voltage) ±0.5% (accl.)	Both acceleration/voltage input, built-in antialiasing filter, high accuracy (0.25%) supports amp-internal acceleration sensors (4 mA/22 V)
Strain	701270	100 kS/s 16-bit	2	Yes	42 V	±0.5% (strain)	Supports strain NDIS, 2 times higher accuracy (0.5%), 2/5/10 V internal bridge power supply
	701271	100-kS/s 16-bit	2	Yes	42 V	±0.5% (strain)	Supports strain DSUB, 2 times higher accuracy (0.5%), 2/5/10 V internal bridge power supply, shunt CAL
Frequency	701280	25 kS/s 16-bit	2	Yes	420 V ¹ 42 V ²	±0.1% (freq)	Measuring frequency 0.01 Hz-200 kHz, measuring items (frequency, rotations, period, duty, power supply frequency, pulse count, and velocity).

1 (when using the 10:1 isolation probe (700929)) 2 (when using the 1:1 safety adapter lead (701901)) 3 (when using the 10:1 passive probe (701940))