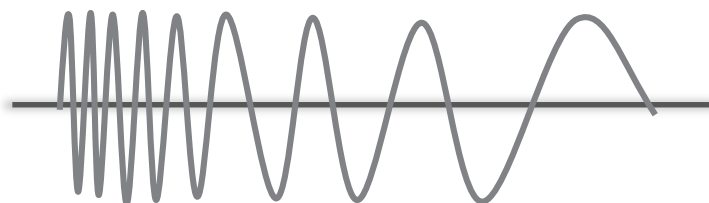


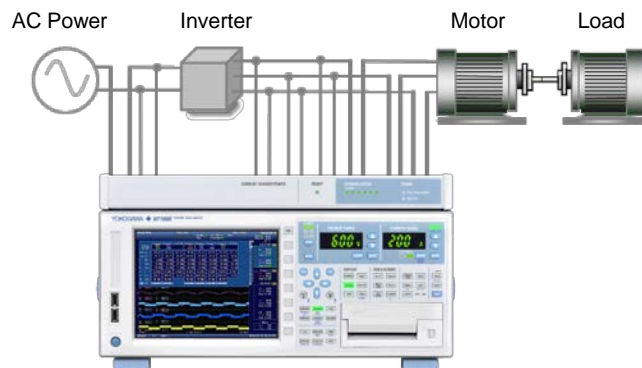
High Accuracy Measurement of Motor at Low Rotation Speed

In order to reduce the power consumption of home appliance and office equipment products, the inverter controls the motor running at low rotation speed. For this reason, higher accuracy measurement of motor at low rotation speed is required. The WT1800E can satisfy such requirement.

In the case of low frequency signal measurement, the data update interval should be extended. The data update interval of WT1800E can be adjusted automatically according to the frequency of input signal. It captures more stable, higher accuracy data.



WT1800E can measure the low rotation speed motor accurately.



High Performance Power Analyzer WT1800E

Low rotation speed 3 phase motor power measurement

	Element 1	Element 2	Element 3	Σ A(3V3A)
Urms [V]	76.22	76.17	76.45	76.28
Irms [A]	0.5999	0.6244	0.6250	0.6164
P [W]	12.94	9.05	3.80	21.99
S [VA]	45.73	47.55	47.78	81.44
Q [var]	-43.86	46.68	-47.63	2.82
λ	0.2829	0.1904	0.0796	0.2700
φ [°]	D73.57	G79.02	D85.44	74.34
fU [Hz]	1.5430	1.5324	1.5358	
fI [Hz]	1.5398	1.5330	1.5328	

WT1800E Specification

DC:	±(0.05% of reading + 0.05% of range)
0.1Hz ≤ f < 10Hz:	±(0.08% of reading + 0.1% of range)
10Hz ≤ f < 45Hz:	±{(0.08% of reading + 0.1% of range) + (2uA × U)*}
45Hz ≤ f ≤ 66Hz:	±{(0.05% of reading + 0.05% of range) + (2uA × U)*}