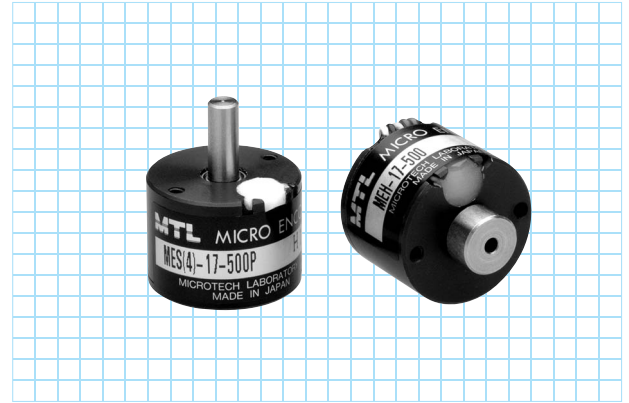
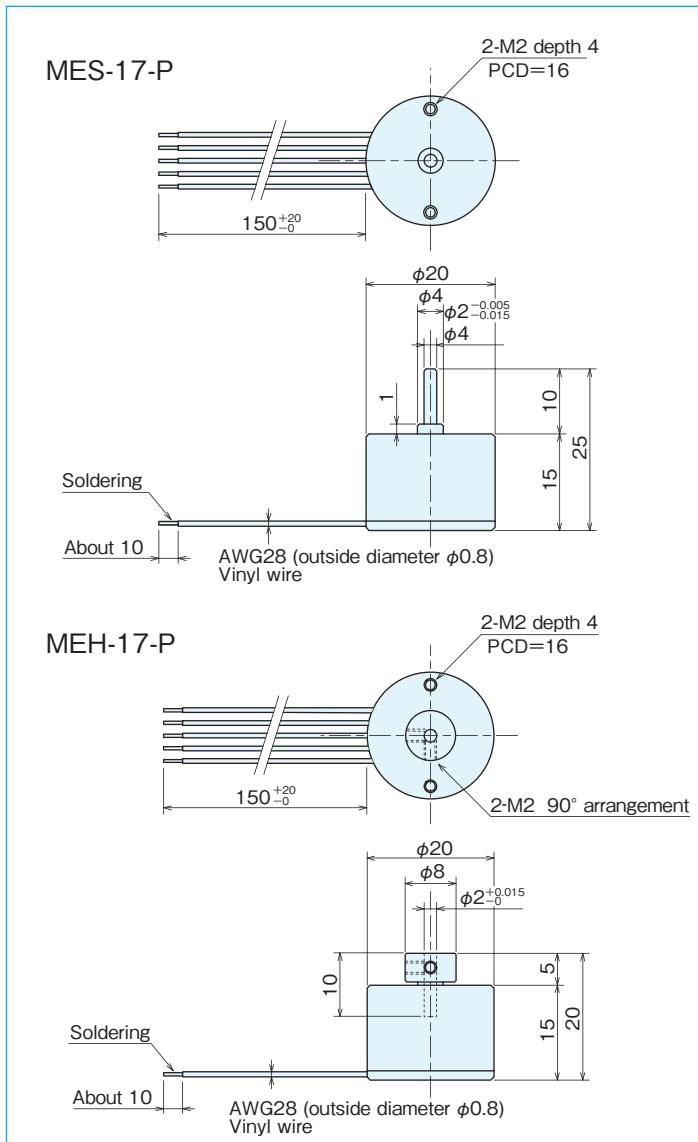


# ME-17-P series

[Square Wave/Incremental]



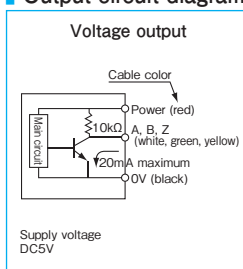
## Outside dimensions



## Specifications

Type name		ME□-17-□P	
		Shaft shape	Pulse number
Item		●S(2)=φ2 single shaft	
		●S(4)=φ4 single shaft	
		●H=hollow shaft	
Supply voltage	DC5V ±10%		
Current consumption	30mA or less (under no load)		
Detection system	Incremental		
Output pulse number (Standard)	100	300	500
	200	360	
	256	400	
Output phase	A, B, Z phase (Z="H")		
Output form	Square wave, voltage output only Pull-up resistance 10kΩ		
Output capacity	Sink current:20mA Residual voltage:0.4V or less (at 10mA)		
Maximum response frequency (response pulse number)	50kHz		
Output phase difference	A, B phase difference 90°±45° (T/4±T/8) Z phase T±T/2 (see Output Waveform)		
Waveform rise/fall time	2μs or less		
Allowable load of shaft (electrical)	Radial	1.9N (200gf)	
	Thrust	1.9N (200gf)	
Maximum allowable revolutions (mechanical)	6,000r/min		
Working ambient temperature/humidity	0°C~50°C RH35%~90% no dewing		
Storing ambient temperature	-20°C~80°C		
Vibration resistance	Durability 55Hz, double amplitude 1.5mm 2 hours each in X, Y, and Z directions		
Impact resistance	Durability 500m/s <sup>2</sup> (about 50G) 3 times each in X, Y, and Z directions		
Cable	Vinyl wire AWG28 150mm		
Mass	20g		

## Output circuit diagram



## Output waveform

