

## **ER-QPS-19 Logging Tools Quartz Pressure Sensor**

### **Features**

Solid and firm, oil resistant and anti-pollution

Linear measurement, absolute value output

LED lamp diagnostic function

High accuracy, high resolution

Modular and generalized design, easy to maintain

Non contact measurement, no abrasion

Low energy consumption, low temperature drift

### **Applications**

Hydraulic control system

Piston position

Fan pitch angle adjustment

Brake control system

Track spacing detection

Other mechanical positioning and high precision displacement detection device

### **Specifications**

Specifications	Technique data
Stroke length	0~100...200...300...400...500mm
Comprehensive accuracy	$\pm 0.25\%F.S$ , $\pm 0.5\%F.S$
Resolution	0.03mm
Output wire	2wires/3wires
Output signal	4~20mA, 0~5V, 0~10V, resistance

Operating voltage	12~32VDC
Vibrating temperature	-30~85℃
Vibration proof	10g (5...2000Hz)
Strike proof	50g (11ms)
Displacement speed	≤0.7m/s
Insulation resistance	≥100MΩ (50VDC)
Electrical connection	Flying Lead
Material	Aluminium alloy
IP protection	IP54

Wire tension	Range(m m)	Maximum pulling tension(N)	Maximum recovery tension(N)
20℃	100	4.5	2.0
	125	4.6	2.4
	200	7.8	2.5
	300	5.5	2.5
	400	6.0	3.2
	500	6.5	3.4

