

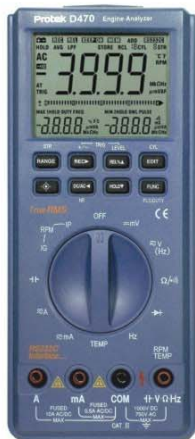
Engine Analyzer

Protek D470/D200A

Protek
Instrumente für die Industrie

Features (D470)

- True RMS
- Triple Display
- RS232C Output
- 4,000 Counts
- 2 Holds System



Protek D470

Specifications

Model	D470	
Function	Range	Accuracy
DC V	400mV 1000V	±(0,3% + 2d)
AC V	4V ~ 1000V	±(2% + 5d)
DC A	40mV ~ 10A	±(0,75% + 5d)
AC A	40mV ~ 10A	±(1,5% + 5d)
Resistance	400Ω ~ 40MΩ	±(1% + 10d)
Frequency	200Hz ~ 200kHz	±(0,05% + 2d)
Capacitance	10uF ~ 1000uF	±(3% + 5d)
Temperature	°C °F	-20°C ~ 1200°C -20°F ~ 2192°F
Continuity	Test Voltage 3V	Threshold Less Than 100Ω
Diode Test	3V	Approx. 2,5mA
RPM IG	*RPM:60~12000 *Duty Cycle:0,0~99,9% *Dwell:0,0~356,4 *Pulse Width:0,2~199,9mS *Frequency:0,1~4000Hz	
RPM IP	*RPM : 60 ~ 12000 *Frequency : 199,9Hz	
Display	Digital 4,000 Count (4 times/s), Analog Bar Graph (20 Times/s)	
Operating Temperature	-0°C ~ 45°C (32°F ~ 95°F)	
Storage Temperature	-40°C ~ 60°C (40°F ~ 140°F)	
Relative Humidity	0% ~ 80%	
Altitude Operating	6,562ft (2,000 meter)	
Power Supply	9V Battery	

Features (D200A)

- 3 1/2 Digits LCD Display
- TACH(RPM) for Engine Speed
- Duty Cycle
- Direct Reading of Dwell
- DC A for Stereos, Defoggers, Motor
- Diode Test



Protek D200A

Specifications

Model	D200A	
DWEL	4-5-6-8CYL : ±0,8% ±2(0-90°)	
TACH	4-5-6-8CYL : ±0,8% ±2(500-10000RPM)	
DC V	20V/200V ±1% ±5	
AC V	200V / 600V ±1,2% ±10	
DC AMP	15A ±1,5% ±3	
OHM	200Ω / 20KΩ / 200KΩ / 20MΩ ±0,8% ±8	
Temperature	-20°C ~ 200°C ±5% ±2	
Diode Test	Yes	
Continuity Buzzer	Yes	
Data Hold	Yes	

Engine
Analyzer

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