AC Power Factor Meter

Fig. E Models 007-425, 078-425J
Electronic Phase Angle Meter
Single Phase

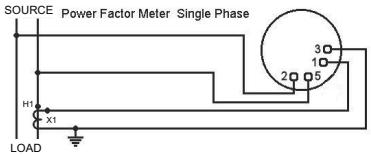
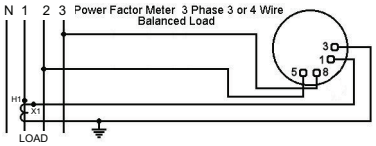


Fig. F Models 007-427, 078-427J
Electronic Phase Angle Meter
3-phase, 3- or 4-wire Balanced Load



AC Power Factor Meter

Specifications

Ratings, self-contained	Current windings 5A. Voltage windings minimum 50V, maximum 600V
Accuracy	Balanced load: Class 1
Overshoot	33%
External temperature influence	0.5% fid minimum
External field influence	0.5% fid maximum
Frequency range	50Hz or 60Hz standard, 25-3000Hz optional (Specify)
Frequency influence	Single phase instruments, 59 to 61Hz 1.0% fid maximum polyphase instruments ±10% deviation from 69Hz: 1.0%
Overload capacity: 25% indefinitely	Current coils 1000% momentarily, 100% for 15 minutes Voltage circuits 25% indefinitely
Burdens	Each current circuit, 1.5VA approximately Each voltage circuit 1VA approximately Measuring systems 077-427-3 or 4-wire
Ranges available	Lag 0.5-1 - 0.5 lead power factor Lag 0.2-1 - 0.8 lead power factor

Product Codes - Balanced Load - Accuracy ±1%

Measured System				Scaling	4 1/2" square flange	
Phases	Wires	Amperes 2VA max. burden	Volts 1 VA max. burden		Std. case catalog no.	Std. case hi-shock catalog no.
1	2	5	120V	0.5-1-0.5	•007-425A-QQAD-C6	078-425J-QQAD-C6
1	2	5	240V	0.5-1-0.5	•007-425A-QSAD-C6	078-427J-QSAD-C6
3	3/4	5	120V	0.5-1-0.5	•007-427A-QQAD-C6	078-427J-QQAD-C6
3	3/4	5	208V	0.5-1-0.5	•007-427A-QRAD-C6	078-427J-QRAD-C6
3	3/4	5	240V	0.5-1-0.5	•007-427A-QSAD-C6	078-427J-QSAD-C6
3	3/4	5	480V	0.5-1-0.5	•007-427A-QTAD-C6	078-427J-QTAD-C6

Instruments may be used on loads down to 20% of current and between 90% and 110% of voltage rating.

For connection diagrams refer to Fig. E and F.

- c-UL-us certified.