Special product features

# CLAMP-ON METERS

400 & 600 Series General Purpose Meters

## Models 401/601, 403/603 & 405/605

**Users can be sure of working in a higher degree of safety with 1000V CAT IV rated meters**

True *InRush*®

## ▶SPECIFICATIONS

| MODELS | 401/601 TRMS | 403/603 TRMS | 405/605 TRMS |
|---|---|---|---|
| **ELECTRICAL** | | | |
| Current AC (rms) | 1000/2000A | 1000/2000A | 1000/2000A |
| Current DC | – | 1500/3000A | 1500/3000A |
| Current AC+DC | – | – | 1500/3000A |
| Voltage AC (rms) | 1000/1000V | 1000/1000V | 1000/1000V |
| Voltage DC | 1000/1000V | 1000/1000V | 1000/1000V |
| Voltage AC+DC | – | – | 1000/1000V |
| Ohms | 100/100kΩ | 100/100kΩ | 100/100kΩ |
| Continuity (Buzzer) | Yes (< 40Ω) | Yes (< 40Ω) | Yes (< 40Ω) |
| Diode Test | Yes | Yes | Yes |
| Total Harmonic Distortion | – | – | Yes |
| Single- and 3-Phase Real Power (AC, DC, AC/DC)* | – | – | 1000/2000kW 3000/6000kW |
| Single- and 3-Phase Reactive Power (AC, DC, AC/DC)* | – | – | 1000/2000kvar 3000/6000kvar |
| Single- and 3-Phase Apparent Power (AC, DC, AC/DC)* | – | – | 1000/2000kVA 3000/6000kVA |
| Temperature (int., ext., C°, F°) | Yes | Yes | – |
| Voltage Frequency (Hz) | 20kHz | 20kHz | 20kHz |
| Current Frequency (Hz) | 2kHz | 2kHz | 2kHz |
| Power Function (W, var, VA) | – | – | Yes |
| Power Factor | – | – | Yes |
| THD-r/THD-f | – | – | Yes |
| Adapter (AC/DC) | – | 0 to 10V | – |
| Phase Rotation | – | – | Yes (2 threads) |
| Auto AC/DC | Yes (V) | Yes (V & A) | Yes (V & A) |
| Auto Power OFF | Yes | Yes | Yes |
| Hold Button | Yes | Yes | Yes |
| Backlight Button | Yes | Yes | Yes |
| Min/Max Button | Yes | Yes | Yes |
| True *InRush*® Function | Yes | Yes | Yes |
| Relative Function | – | Yes | Yes |
| Peak ± Function | – | – | Yes |
| Hz Button | Yes | Yes | Yes |
| Jaw Opening Size (Diameter) | 1.89"/2.36" | 1.89"/2.36" | 1.89"/2.36" |

*3-phase measurements assume balanced load

## ▶FEATURES

- 1000V CAT IV Rated
- UL 94 VI flame retardant self-extinguishing
- IP54 Rated
- 10,000 count blue electroluminescent backlit display
- Measures up to 1000VAC (1400V peak), 1000VDC and AC+DC with resolution to 10mV
- Measures up to 2000AAC and 3000ADC (model dependent)
- Measures single- and three-phase power (real, reactive and apparent) up to 3MW with resolution to 1W (model dependent)
- Measures W, VA, var and PF for 1Φ & 3Φ balanced systems (Models 405 & 605)
- Measures frequency to 20kHz with 0.1Hz resolution
- Auto selects AC or DC measurement voltage
- True *InRush*® current measurement with 1mS capture
- Jaw opening up to 1.89" (400 series) and up to 2.36" (600 series)
- Leads are constructed with a flexible silicone material

| CATALOG NO. | DESCRIPTION |
|---|---|
| 2139.20 | Clamp-On Meter Model 401 (TRMS, 1000VAC/DC, 1000AAC, Ohms, Continuity, Temperature) |
| 2139.21 | Clamp-On Meter Model 403 (TRMS, 1000VAC/DC, 1000AAC/1500ADC, Ohms, Continuity, Temperature) |
| 2139.50 | Power Clamp-On Meter Model 405 (TRMS, 1000VAC/DC, 1000AAC/1500ADC, Phase Rotation, Ohms, Continuity, Power, THD) |
| 2139.30 | Clamp-On Meter Model 601 (TRMS, 1000VAC/DC, 2000AAC, Ohms, Continuity, Temperature) |
| 2139.31 | Clamp-On Meter Model 603 (TRMS, 1000VAC/DC, 2000AAC/3000ADC, Ohms, Continuity, Temperature) |
| 2139.60 | Power Clamp-On Meter Model 605 (TRMS, 1000VAC/DC, 2000AAC/3000ADC, Phase Rotation, Ohms, Continuity, Power, THD) |


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