





# A2000 Multifunction Power Meter

## Specifications:

### Display:

7 segment red LED  
 Character Height: 13.2 mm  
 Display Range: max. 9999  
 Energy: max. 999999999

### Input

Voltage: 550V phase-phase; 320V phase-line  
 Overload: 1.2 times continuous  
 Current: 0 - 6A  
 Overload: 1.4 times continuous  
 30A for 10 seconds  
 100A for 3 seconds  
 Frequency: 40 - 70Hz

### Accuracy:

Current: 0.25% F.S.  
 Voltage: 0.25% F.S.  
 Power: 0.5% F.S.  
 Power Factor: 0.02 P.F.  
 Frequency: 0.02 Hz  
 Energy: 0.5% F.S.  
 Response time: less than 400mS

### Synchronization Pulse

The synchronizing input recognizes floating contact.  
 ON: < 10 ohms; OFF: > 10 M ohms

### Relay Outputs

One relay changeover contact per limit value  
 Switching Capacity: ac/dc, 250V, 2A, 500VA/50W  
 Service Life: > 500000 switching cycles  
 Hysteresis adjustable for each relay  $\pm$  100 digits

### Analog Outputs:

Standard: 0/4 - 20mA or  $\pm$  20mA  
 Selectable:  $\pm$  10Vdc  
 Output Load, Current (max): 500 ohms  
 Output Load, Voltage: < 20 mA  
 Load Impedance Effect  
 Current output: < 0.8 microA / ohm (0 - 500 ohms)  
 Voltage output: no effect to > 10 K ohms

### Pulse outputs:

Open emitter:  
 On: 10mA - 27mA; Off: less than 2mA  
 External voltage: 8 - 30V  
 Pulse Duration: 100mS  
 Interpulse period: 10mS

Protocols for RS 232 and RS 485: selectable  
 GMC device bus (DIN Draft19244), EN 60870 or  
 Modbus (RTU)

### Power Supply

230V/115Vac  $\pm$  10%, 45 - 65Hz

### Optional:

20V - 69Vac, 45 - 450Hz, 20V - 72Vdc or  
 73V - 264Vac, 45 - 450Hz, 73V - 276Vdc

Power Consumption: max. 15VA

Mechanical Dimensions: 144 x 144 x 67.1 mm

Panel Cutout: 138 x 138 mm

Installation Depth max: 59.5 mm

Weight: 2.2 lb

### Protection:

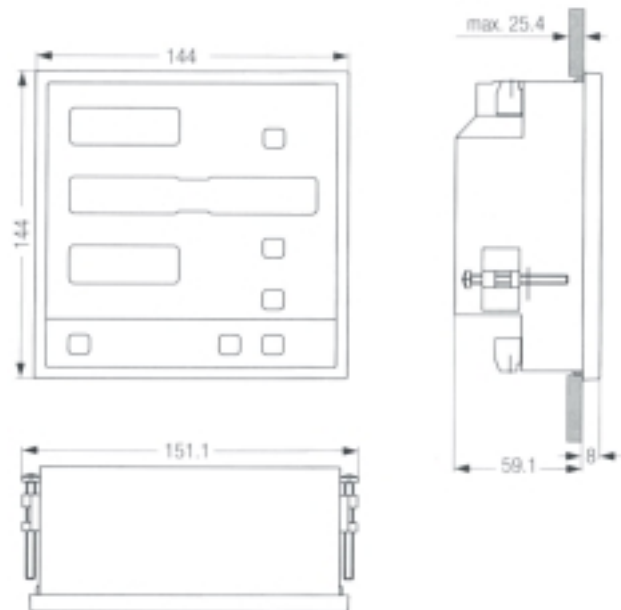
Front panel: IP 52

Housing: IP 30

Terminals: IP 20

Protection Class II

### Dimension diagram:



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