

# Basic Electronic KWH Meter



TK102  
Single Phase Two Wire  
Electronic KWH Meter



TK102 DEM530M  
Single Phase Three Wire  
Electronic KWH Meter



DEM560M  
Three Phase Three Wire  
Electronic KWH Meter



DEM600M  
Three Phase Three Wire  
Electronic KWH Meter

Saves on panel cost!  
High accuracy!  
Suitable for submetering!  
Passed government certification and tests!

Small and exquisitely designed, yet feature complete

Approved by the Bureau of Standards



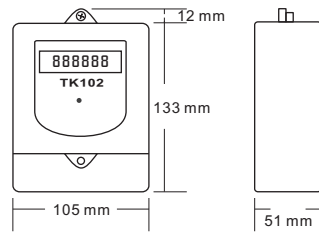
Features	Applications
<ul style="list-style-type: none"> <li>■ Highly accurate compared to traditional mechanical meters</li> <li>■ Exquisitely designed</li> <li>■ Low starting current, reducing loss revenue</li> <li>■ Eliminates need for electrical panel</li> <li>■ Pleasing appearance, can be hung on wall</li> <li>■ Small surface area and low depth, saves on wall space</li> </ul>	<ul style="list-style-type: none"> <li>■ Rental offices</li> <li>■ Rental apartments</li> <li>■ School dormitories</li> <li>■ Shopping malls</li> <li>■ Factory and store sublets</li> <li>■ Activity centers</li> <li>■ Exhibition booths</li> <li>■ Traditional markets</li> </ul>

Basic Specifications
<ul style="list-style-type: none"> <li>■ Standard Compliance: IEC61036 CNS1407</li> <li>■ Resolution: 0.1 kWh</li> <li>■ Useful life: 10 years</li> <li>■ Water proof gasket ring between upper and lower covers</li> <li>■ Two sets of lead seals, one for meter, second for terminals</li> <li>■ Operating Temperature: -20 to 50 °C</li> <li>■ Surge Protection: 6 kV at 1.2/50secs IEC61000-4-5</li> </ul>

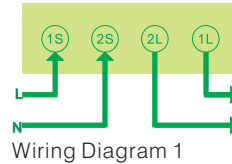
### Model Specifications

Phase/Wire	Model	Voltage Rating	Rated Current	Max Wire Gauge (mm <sup>2</sup> )	Wiring Diagram	Ordering Code
1p2w	TK102	both 110V or 220V	30A	14	1	TK102-2-30A
1p2w	TK102	both 110V or 220V	50A	14	1	TK102-2-50A
1p3w	TK102	110/220V	30A	14	2	TK102-3-30A
1p3w	TK102	110/220V	50A	14	2	TK102-3-50A
1p3w	DEM530M	110/220V	80A	30	2	DEM530M-80A
3p3w	DEM560M	90-240V	5A	5	5	DEM560M-3/3-10A
3p3w	DEM560M	90-240V	50A	14	3	DEM560M-3/3-50A
3p4w	DEM600M	120/208V 220/380V	5A	4	6	DEM600M-3/4-10A
3p4w	DEM600M	120/208V 220/380V	50A	14	4	DEM600M-3/4-50A
3p4w	DEM600M	120/208V 220/380V	80A	30	4	DEM600M-3/4-80A

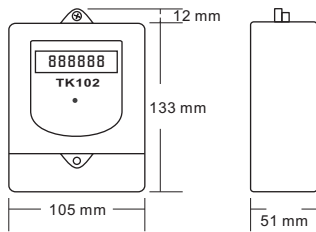
Notes:  
1) For 3p3w 380V, use DEM600M-3/4  
2) Other specs available, just ask our reps



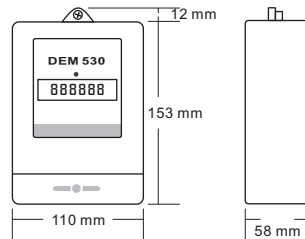
TK102 10(30)A  
1p2w Electronic KWH meter  
wt: 0.5kg



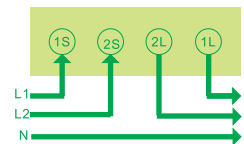
Wiring Diagram 1



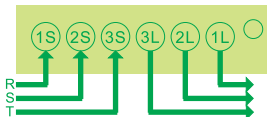
TK102 10(30)A  
1p3w Electronic KWH meter  
wt: 0.5 kg



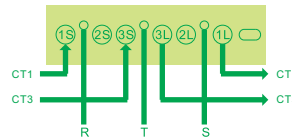
DEM530M 20(80)A  
1p3w Electronic KWH meter  
wt: 0.7 kg



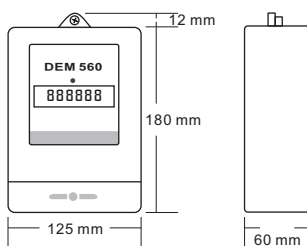
Wiring Diagram 2



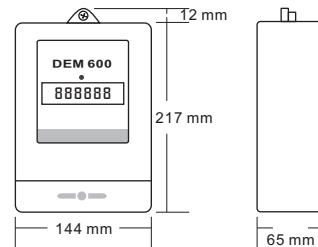
Wiring Diagram 3  
3p3w - direct input



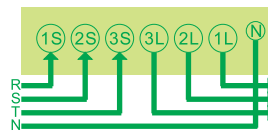
Wiring Diagram 5  
3p3w - using external 5A CT



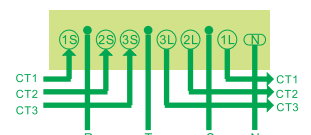
DEM560M 10(50)A  
3p3w Electronic KWH meter  
wt: 1 kg



DEM600M  
3 phase Electronic KWH meter  
wt: 1.6 kg



Wiring Diagram 4  
3p4w - direct input



Wiring Diagram 6  
3p4w - using external 5A CT