

RS485 Revenue kWh Meter

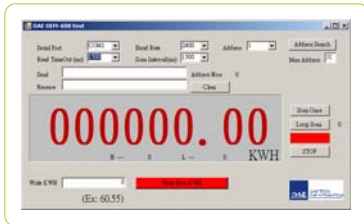
Sub meter Solution!
Modbus RS485 Communication!



DEM560D (5A, 50A)
Three Phase Three Wire

★ DEM560DA (100A)
Three Phase Three Wire

DEM test and setting software



DEM600D (5A, 50A, 80A)
Three Phase Four Wire

DEM510C (50A, 80A)
Single Phase Two Wire

DEM530D (50, 80A)
Single Phase Three Wire

FEATURES

- High accuracy
- RS485 (2400 bps)
- Primary value display (for 5A)
- Pleasing Appearance
- Modbus/RTU protocol
- Rubber gasket between cover and body
- Seals to prevent illegal abstraction and fraud

APPLICATIONS

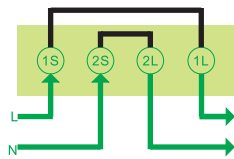
- Tenant offices or residential buildings
- Rental Apartments
- College dormitories
- Shopping malls
- Farmers market
- Food concessions
- Marinas
- Mobile Home Parks
- Exhibition booths

SPECIFICATION

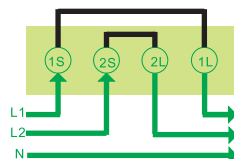
- Standards: IEC61036, CNS14607
- Accuracy class: 1.0, Max error: 1%
- Display: 6 digits LED, 0.1 kWh resolution
- Recalibration period: 10 years
- Starting current: 0.4% of test current
- Surge test: 6 kV per IEC61000-4-5
- Operating temperature: -10 to 60 °C
- CT scaling factor and display primary value for 5A version can be set through Modbus

Ordering Information

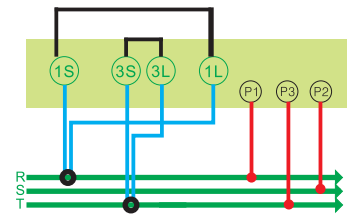
Type	Model	Rating Volt	Test Current	Max Current	Max caliber	Wiring Diag.	Ordering Code
1P2W	DEM510C	220 V	10 A	50 A	14	1	DEM510C-3-50A
1P2W	DEM510C	220 V	20 A	80 A	30	1	DEM510C-3-80A
1P3W	DEM530D	110/220 V	10 A	50 A	14	2	DEM530D-3-50A
1P3W	DEM530D	110/220 V	20 A	80 A	30	2	DEM530D-3-80A
3P3W	DEM560D	220 V	1.5 A	6 A (CT)	5	5	DEM560D-3-3/3-10A-220V
3P3W	DEM560D	220 V	10 A	50 A	14	3	DEM560D-3-3/3-50A-220V
3P3W	DEM560DA	220 V	20 A	100 A	14	7	DEM560DA-3-3/3-100A-220V ★
3P4W	DEM600D	120/208 V	1.5 A	6 A (CT)	5	6	DEM600D-3-3/4-10A-110V
		220/380 V					DEM600D-3-3/4-10A-220V
3P4W	DEM600D	120/208 V	10 A	50 A	14	4	DEM600D-3-3/4-50A-110V
		220/380 V					DEM600D-3-3/4-50A-220V
3P4W	DEM600D	120/208 V	20 A	80 A	38	4	DEM600D-3-3/4-80A-110V
		220/380 V					DEM600-D-3-3/4-80A-220V



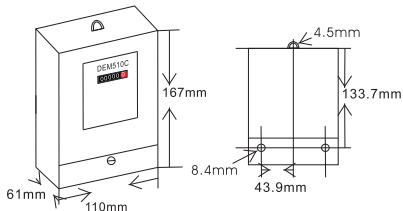
Wiring Diagram 1



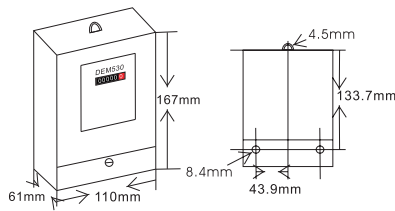
Wiring Diagram 2



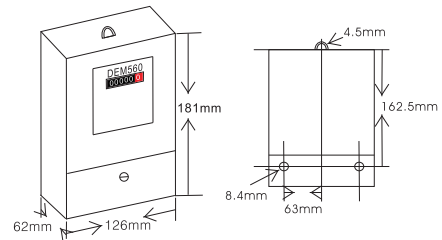
Wiring Diagram 7 for direct connection 3p3w



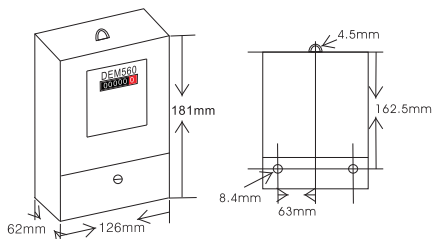
DEM510C Single Phase Two Wire Weight: 0.8 kg



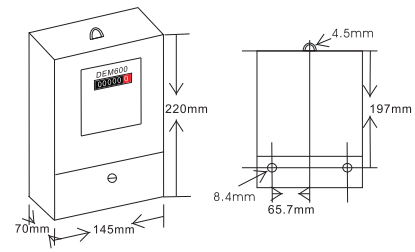
DEM530D Single Phase Three Wire Weight: 0.76 kg



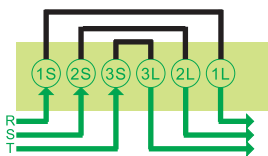
DEM560DA Three Phase Three Wire Weight: 1 kg



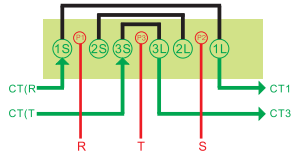
DEM560D Three Phase Three Wire Weight: 0.93 kg



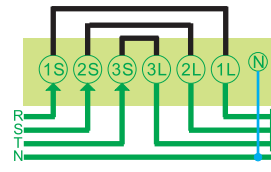
DEM600D Three Phase Four Wire Weight: 1.78 kg



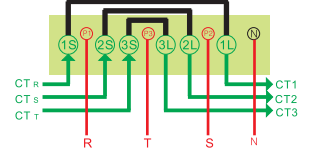
Wiring Diagram 3 for direct connection 3p3w



Wiring Diagram 5 for CT input 3p3w



Wiring Diagram 4 for direct connection 3p4w



Wiring Diagram 6 for CT input 3p4w

校正報告

財團法人台灣大電力公司電力研究所

中華民國 104 年 05 月 14 日

型號	規格	誤差(%)	標準誤差(%)
1P2W, 110V, 5A~100%, PF 1.0, 400h		+0.01	0.22
1P2W, 110V, 15A~100%, PF 1.0, 400h		-0.66	0.23
1P2W, 110V, 15A~100%, PF 1.0, 400h		+0.08	0.22
1P2W, 110V, 15A~100%, PF 1.0, 400h(20°C)		-0.07	0.22
1P2W, 110V, 15A~100%, PF 1.0, 400h(20°C)		+0.31	0.22

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財團法人台灣大電力公司電力研究所

中華民國 104 年 05 月 14 日

型號	規格	誤差(%)	標準誤差(%)
1P2W, 220V, 5A~100%, PF 1.0, 400h		+0.10	0.07
1P2W, 220V, 5A~100%, PF 1.0, 400h		+0.13	0.06
1P2W, 220V, 5A~100%, PF 1.0, 400h		+0.03	0.09

電磁耐受性測試報告

財團法人台灣大電力公司電力研究所

中華民國 104 年 05 月 14 日

項目	規格	標準	結果
電磁耐受性	IEC 61000-4-5, 6 kV	合格	合格

EMC test IEC61000-4-5, 6 kV

財團法人台灣大電力公司電力研究所

中華民國 104 年 05 月 14 日

項目	規格	標準	結果
EMC test	IEC61000-4-5, 6 kV	合格	合格

Calibration Certificate from Taiwan Electric Research & Testing Center

EMC test IEC61000-4-5, 6 kV

EMC test IEC61000-4-5, 6 kV



DAE INSTRUMENT CORP.

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