



DTS-353-100A-M DIRECT CONNECT KILOWATT-HOUR METER WITH MODBUS® RS485



Three-phase DIN rail mounted electronic kWh check meters.

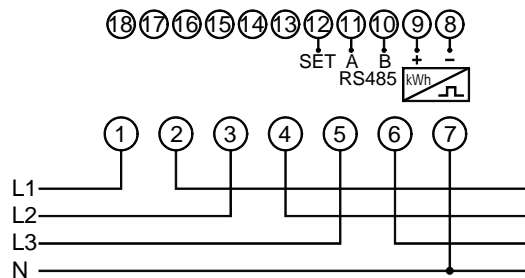
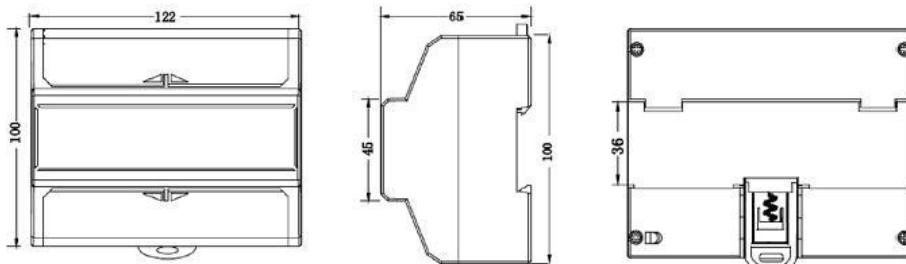
Direct connect kWh meters with optional RS485 MODBUS® RTU comms. Currents up to 100A are directly connected to the meter, no external CTs required.

In addition to a seven digit LCD kWh display there is a galvanically isolated pulse output for use with separate counters, data loggers or similar electronic recorders or controllers. Compact circuitry allows these meters to be housed in a standard 7M DIN rail mounted case.

The meter is provided with a non-volatile memory system that ensures that the readings are not lost or altered when the unit is switched off or supply difficulties are experienced.

Specifications

Input	AC current and voltage, 3 phase 4 wire, balanced or unbalanced load
	Current : 3 x 5 (100A)
	: Terminals for 35mm ² cable, accepts up to 50mm ²
	Voltage : 3 x 230V Ph-N
	Frequency : 50Hz
	Power consumption : <1 Watt, 7VA
Outputs	: Integral 7 digit LCD display with 0.1kWh resolution
	: SO opto coupler isolated pulse output, 800 imp/kWh
	: Pulse width 80ms
	: Opto coupler isolated RS485 standard on twisted pair cable
	Protocol : MODBUS® RTU slave with node addressing 1 to 246
	Data register : 24 bits 9999999 max reading on register 40001 (long integer)
	Data format : 9600 Baud, no parity, 1 stop bit
Temperature Standards	Operating : -10°C to +45°C
	: IEC 62052-11, DIN EN 50022, DIN43880
Accuracy	: Class 1



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