

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



Three-phase DIN rail mounted electronic kWh check meters.

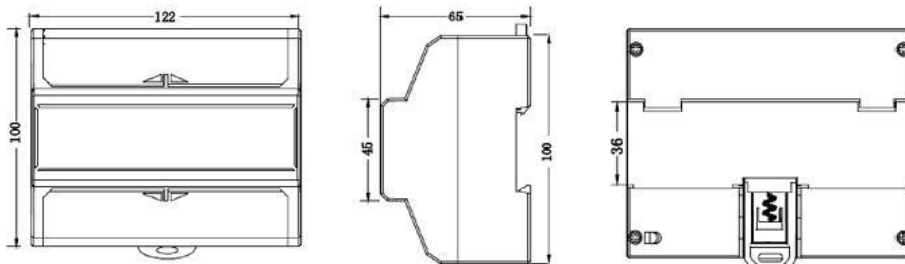
Direct connect kWh meters with optional RS485 MODBUS RTU comms. Currents up to 100A are directly connected to the meter, no external CTs required.

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.

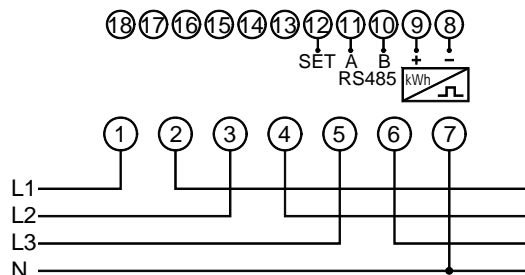
The meter is provided with a non-volatile memory system that ensures that the readings are not lost or altered when the unit is switched off or supply difficulties are experienced.

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
	: 50 opto coupler isolated pulse output, 800 imp/kWh
	: Pulse width 80ms
	: Opto coupler isolated RS485 standard on twisted pair cable
	: 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



*NOTE Some DTS-353-100A-M do not have a set button



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