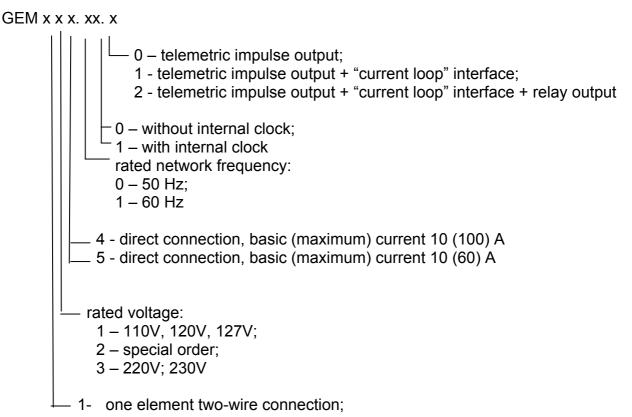
The electronic multi-tariff meter of direct connection is designated for accounting active electric energy in single-phase alternate current 50 Hz or 60 Hz frequency networks in one o multi-tariff regimes. It may also be used in automated electric energy control and accounting systems for transmission of measured and calculated data into dispatching units.

Technical characteristics

Class			
Class	1.0 or 2.0 (IEC 1036-96)		
Rated voltage	1.0 or 2.0 (IEC 1036-96)		
Basic (maximum) current Ib	10(60)A – cl.1.0; 10(100)A – cl.2.0		
Rated frequency	50 or 60 Hz		
Starting	0,004I _b		
Range of operational temperatures	from –20 °C to +55 °C		
Power consumption in voltage circuit	< 0,75W; < 1VA		
Power consumption in current circuit	< 0,05VA		
Meter's constant	2000		
Number of tariffs	1 or 4		
Information communication speed by protocol IEC 1107			
- via optical interface;	300 2400 bauds		
- via 'current loop' interface	300 2400 bauds		
Outputs:			
- telemetric	telemetric impulses		
- relay	synchronized with chosen tariff		
	validity time or programmed for		
	day and night cycle		
Additional functions:			
- registration of network	up to 9999 cases		
disconnection's	number of influences and common		
- registration of strong magnetic field	duration		
influences	up to 9999 cases		
- diagnostics of internal malfunctioning			
Data retention time after disconnection of	10 years when T<25 ⁰ C; 2 years		
power supply	when t = $60 {}^{\circ}\text{C}$		
Dimensions, mm ³	217x130x53		
Weight, kg	0,95		

GEM

Modifications' coding:



Coding GEM	Rated voltage, V	Basic/ Maximum current, A	Accuracy class	Number of tariffs	Starting, %I _b	Auxiliary outputs*
135.01.0	230	10/60	1.0	1	0.4	AA
134.01.0	230	10/100	2.0	1	0.5	AA
134.01.1	230	10/100	2.0	1	0.5	CS; AA
135.01.2	230	10/60	1.0	2	0.4	CS;MKA;AA
115.01.2	127	10/60	1.0	2	0.4	CSMKA;AA

Characteristics of the main GEM meter's modifications are given in the following table:

- CS current loop interface;
- MKA relay output;
- AA telemetric output

Requirements for auxiliary outputs and additional meter's functions are an object of agreement with a client upon making up supply contracts.