

Communication Register Map eNavigator Series :

This Communication map is for **eNavigator** series of meters. Depending on model, selected parameters data can be retrieved. All the parameters declared in the communication map are either float or unsigned long and follows the standard Modbus RTU protocol. The data can be retrieved individually or together as a block.

S.No	Parameter	Data type	Address	
1	Watts Total	float	40101	Applicable for TM and LG Series
2	Watts R phase	float	40103	
3	Watts Y phase	float	40105	
4	Watts B phase	float	40107	
5	VAR Total	float	40109	
6	VAR R phase	float	40111	
7	VAR Y phase	float	40113	
8	VAR B phase	float	40115	
9	PF Ave. (Instantaneous)	float	40117	
10	PF R phase	float	40119	
11	PF Y phase	float	40121	
12	PF B phase	float	40123	
13	VA total	float	40125	
14	VA R phase	float	40127	
15	VA Y phase	float	40129	
16	VA B phase	float	40131	
17	VLL average	float	40133	
18	Vry phase	float	40135	
19	Vyb phase	float	40137	
20	Vbr phase	float	40139	
21	VLN average	float	40141	
22	V R phase	float	40143	
23	V Y phase	float	40145	
24	V B phase	float	40147	
25	Current Total	float	40149	
26	Current R phase	float	40151	
27	Current Y phase	float	40153	
28	Current B phase	float	40155	
29	Frequency	float	40157	
30	Wh received	float	40159	
31	VAh received	float	40161	
32	VARh Ind. Received	float	40163	
33	VARh Cap. received	float	40165	

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34	Wh Delivered	float	40167	Applicable for TM Series
35	VAh Delivered	float	40169	
36	VARh Ind. Delivered	float	40171	
37	VARh Cap. Delivered	float	40173	
38	PF average Received	float	40175	
39	Amps average Received	float	40177	
40	PF average Delivered	float	40179	
41	Amps average Delivered	float	40181	
42	Neutral Current	float	40183	
43	Voltage R Harmonics	float	40185	
44	Voltage Y Harmonics	float	40187	
45	Voltage B Harmonics	float	40189	
46	Current R Harmonics	float	40191	
47	Current Y Harmonics	float	40193	
48	Current B Harmonics	float	40195	
49	Rising Demand	float	40197	
50	Forecast Demand	float	40199	
51	Maximum Demand	float	40201	
52	Reserved	float	40203	
53	Reserved	float	40205	
54	Reserved	float	40207	
55	Reserved	float	40209	
56	Reserved	float	40211	
57	Reserved	float	40213	
58	RPM	float	40215	
59	Load Hours Received	Unsigned long	40217	
60	Load Hours Delivered	Unsigned long	40219	
61	No of interruptions	Unsigned long	40221	
2nd Block				
73	TOD Slot-1 / Reserved	float	40245	Applicable for EN Series Only
74	TOD Slot-2 / Reserved	float	40247	
75	TOD Slot-3 / Reserved	float	40249	
76	TOD Slot-4 / Reserved	float	40251	
77	TOD Slot-5 / Reserved	float	40253	
78	TOD Slot-6 / Reserved	float	40255	
79	Reserved	float	40257	
79	Reserved	float	40259	
80	Reserved	float	40261	
81	Reserved	float	40263	
82	Reserved	float	40265	
83	Reserved	float	40267	

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84	Reserved	float	40269	
85	Reserved	float	40271	
86	Analog input 1	float	40273	
87	Analog input 2	float	40275	
88	Digital input 1	Unsigned long	40277	
89	Digital input 2	Unsigned long	40279	
90	Digital input 3	Unsigned long	40281	
91	Digital input 4	Unsigned long	40283	