| Tense TPM-04, TPM-04SH, TPM-01ES and TPM-01ESH Energy Analyser Basic Data Modbus Address | | | | | | | |
|---|---|---|---|---|---|---|---|
| Address (Dec) | Address (Hex) | Parameter | Data Type | Read/Write | Multiplier | Unit | Real Value |
| 4000 | FA0 | L1 Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4001 | FA1 | L2 Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4002 | FA2 | L3 Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4003 | FA3 | L1 Minimum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4004 | FA4 | L2 Minimum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4005 | FA5 | L3 Minimum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4006 | FA6 | L1 Maximum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4007 | FA7 | L2 Maximum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4008 | FA8 | L3 Maximum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4009 | FA9 | L1 Average Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4010 | FAA | L2 Average Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4011 | FAB | L3 Average Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4012 | FAC | L12 Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4013 | FAD | L23 Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4014 | FAE | L31 Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4015 | FAF | L12 Minimum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4016 | FB0 | L23 Minimum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4017 | FB1 | L31 Minimum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4018 | FB2 | L12 Maximum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4019 | FB3 | L23 Maximum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4020 | FB4 | L31 Maximum Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4021 | FB5 | L12 Average Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4022 | FB6 | L23 Average Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4023 | FB7 | L31 Average Voltage | Unsigned 16-bit | Read | Data * VT * 0.1 | V | 0,0 .. Vmax |
| 4024 | FB8 | L1 Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4025 | FB9 | L2 Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4026 | FBA | L3 Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4027 | FBB | Neutral Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4028 | FBC | Total L-N Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4029 | FBD | L1 Maximum Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4030 | FBE | L2 Maximum Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4031 | FBF | L3 Maximum Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4032 | FC0 | Total Maximum Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4033 | FC1 | L1 Demand Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4034 | FC2 | L2 Demand Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4035 | FC3 | L3 Demand Current | Unsigned 16-bit | Read | Data * CT * 0.001 | A | 0,000 .. Imax |
| 4036 | FC4 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4037 | FC5 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4038 | FC6 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4039 | FC7 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4040 | FC8 | L1 Frequency | Unsigned 16-bit | Read | Data * 0.01 | Hz | 45,00 .. 65,00 |
| 4041 | FC9 | L2 Frequency | Unsigned 16-bit | Read | Data * 0.01 | Hz | 45,00 .. 65,00 |
| 4042 | FCA | L3 Frequency | Unsigned 16-bit | Read | Data * 0.01 | Hz | 45,00 .. 65,00 |
| 4043 | FCB | L1 Power Factor | Signed 16-bit | Read | Data * 0.001 | X | -1,000 .. 1,000 |
| 4044 | FCC | L2 Power Factor | Signed 16-bit | Read | Data * 0.001 | X | -1,000 .. 1,000 |
| 4045 | FCD | L3 Power Factor | Signed 16-bit | Read | Data * 0.001 | X | -1,000 .. 1,000 |
| 4046 | FCE | Total Power Factor | Signed 16-bit | Read | Data * 0.001 | X | -1,000 .. 1,000 |

| 4047 | FCF | L1 Cosφ | Signed 16-bit | Read | Data * 0.001 | X | -1,000 .. 1,000 |
|------|-----|---------|---------------|------|--------------|---|-----------------|
| 4048 | FD0 | L2 Cosφ | Signed 16-bit | Read | Data * 0.001 | X | -1,000 .. 1,000 |
| 4049 | FD1 | L3 Cosφ | Signed 16-bit | Read | Data * 0.001 | X | -1,000 .. 1,000 |
| 4050 | FD2 | Unbalance Voltage | Unsigned 16-bit | Read | Data * 0.001 | X | 0 .. 100 |
| 4051 | FD3 | Unbalance Current | Unsigned 16-bit | Read | Data * 0.001 | X | 0 .. 100 |
| 4052 | FD4 | Current Transformer Ratio | Unsigned 16-bit | Read / Write | Data | X | 1..1000 |
| 4053 | FD5 | Voltage Transformer Ratio | Unsigned 16-bit | Read / Write | Data * 0.1 | X | 1,0 .. 999,9 |
| 4054 | FD6 | Modbus Baudrate | Unsigned 16-bit | Read / Write | Data | X | 1200 .. 38400 |
| 4055 | FD7 | Modbus StopBit | Unsigned 16-bit | Read | Data | X | 1 .. 2 |
| 4056 | FD8 | Modbus Parity | Unsigned 16-bit | Read | Data | X | 1 .. 3 |
| 4057 | FD9 | Modbus ID | Unsigned 16-bit | Read / Write | Data | X | 1 .. 247 |
| 4058 | FDA | Digital In State | Unsigned 16-bit | Read | Data | X | 0 .. 1 |
| 4059 | FDB | Out1 Relay State | Unsigned 16-bit | Read | Data | X | 0 .. 1 |
| 4060 | FDC | Out2 Relay State | Unsigned 16-bit | Read | Data | X | 0 .. 1 |
| 4061 | FDD | Desired Calibration Voltage Value | Unsigned 16-bit | Read | Data*0.01 | X | 200 .. 250 |
| 4062 | FDE | Desired Calibration Voltage Error Value | Unsigned 16-bit | Read | Data*0.001 | X | 0,1 .. 20 |
| 4063 | FDF | Desired Calibration Current Value | Unsigned 16-bit | Read | Data*0.0001 | X | 0,1 .. 3 |
| 4064 | FE0 | Desired Calibration Current Error Value | Unsigned 16-bit | Read | Data*0.001 | X | 0,1 .. 20 |
| 4065 | FE1 | Serial No H2 | Unsigned 16-bit | Read | Data | X | 0 .. 5012 |
| 4066 | FE2 | Serial No H1 | Unsigned 16-bit | Read | Data | X | 0 .. 3123 |
| 4067 | FE3 | Serial No L | Unsigned 16-bit | Read | Data | X | 0 .. 5959 |
| 4068 | FE4 | VERSION | Unsigned 16-bit | Read | Data*0.001 | X | 0 .. 9,999 |
| 4069 | FE5 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4070 | FE6 | Out1 Relay Control Parameter | Unsigned 16-bit | Read / Write | Data | X | 0 .. 9 |
| 4071 | FE7 | Out2 Relay Control Parameter | Unsigned 16-bit | Read / Write | Data | X | 0 .. 9 |
| 4072 | FE8 | Out1 Relay Control Function ULn | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4073 | FE9 | Out1 Relay Control Value Uln | Unsigned 16-bit | Read / Write | Data*0.1 | X | 10 .. 500 |
| 4074 | FEA | Out1 Relay Control Delay Uln | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4075 | FEB | Out1 Relay Control Hysteresis Uln | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4076 | FEC | Out1 Relay Control Function ILn | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4077 | FED | Out1 Relay Control Value ILn | Unsigned 16-bit | Read / Write | Data*0.001 | X | 0,1 .. 5 |
| 4078 | FEE | Out1 Relay Control Delay ILn | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4079 | FEF | Out1 Relay Control Hysteresis ILn | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4080 | FF0 | Out1 Relay Control Function ILt | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4081 | FF1 | Out1 Relay Control Value ILt | Unsigned 16-bit | Read / Write | Data*0.001 | X | 0,1 .. 5 |
| 4082 | FF2 | Out1 Relay Control Delay ILt | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4083 | FF3 | Out1 Relay Control Hysteresis ILt | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4084 | FF4 | Out1 Relay Control Function thdU | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4085 | FF5 | Out1 Relay Control Value thdU | Unsigned 16-bit | Read / Write | Data*0.01 | X | 1 .. 50 |
| 4086 | FF6 | Out1 Relay Control Delay thdU | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4087 | FF7 | Out1 Relay Control Hysteresis thdU | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4088 | FF8 | Out1 Relay Control Function thdI | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4089 | FF9 | Out1 Relay Control Value thdI | Unsigned 16-bit | Read / Write | Data*0.01 | X | 1 .. 50 |
| 4090 | FFA | Out1 Relay Control Delay thdI | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4091 | FFB | Out1 Relay Control Hysteresis thdI | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4092 | FFC | Out1 Relay Control Function PF | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4093 | FFD | Out1 Relay Control Value PF | Unsigned 16-bit | Read / Write | Data*0.001 | X | 0,50 .. 0,99 |
| 4094 | FFE | Out1 Relay Control Delay PF | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4095 | FFF | Out1 Relay Control Hysteresis PF | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4096 | 1000 | Out1 Relay Control Function U Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |

| 4097 | 1001 | Out1 Relay Control Value U Un | Unsigned 16-bit | Read / Write | Data*0.01 | X | 1 .. 50 |
|------|------|------------------------------|-----------------|--------------|-----------|---|---------|
| 4098 | 1002 | Out1 Relay Control Delay U Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4099 | 1003 | Out1 Relay Control Hysteresis U Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4100 | 1004 | Out1 Relay Control Function I Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4101 | 1005 | Out1 Relay Control Value I Un | Unsigned 16-bit | Read / Write | Data*0.01 | X | 1 .. 50 |
| 4102 | 1006 | Out1 Relay Control Delay I Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4103 | 1007 | Out1 Relay Control Hysteresis I Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4104 | 1008 | Out1 Relay Control Function dI n | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4105 | 1009 | Out1 Relay Control Delay dI n | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4106 | 100A | Out2 Relay Control Function Uln | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4107 | 100B | Out2 Relay Control Value Uln | Unsigned 16-bit | Read / Write | Data*0.1 | X | 10 .. 500 |
| 4108 | 100C | Out2 Relay Control Delay Uln | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4109 | 100D | Out2 Relay Control Hysteresis Uln | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4110 | 100E | Out2 Relay Control Function ILn | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4111 | 100F | Out2 Relay Control Value ILn | Unsigned 16-bit | Read / Write | Data*0.001 | X | 0,1 .. 5 |
| 4112 | 1010 | Out2 Relay Control Delay ILn | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4113 | 1011 | Out2 Relay Control Hysteresis ILn | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4114 | 1012 | Out2 Relay Control Function ILt | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4115 | 1013 | Out2 Relay Control Value ILt | Unsigned 16-bit | Read / Write | Data*0.001 | X | 0.1 .. 5 |
| 4116 | 1014 | Out2 Relay Control Delay ILt | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4117 | 1015 | Out2 Relay Control Hysteresis ILt | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4118 | 1016 | Out2 Relay Control Function thdU | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4119 | 1017 | Out2 Relay Control Value thdU | Unsigned 16-bit | Read / Write | Data*0.01 | X | 1 .. 50 |
| 4120 | 1018 | Out2 Relay Control Delay thdU | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4121 | 1019 | Out2 Relay Control Hysteresis thdU | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4122 | 101A | Out2 Relay Control Function thdI | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4123 | 101B | Out2 Relay Control Value thdI | Unsigned 16-bit | Read / Write | Data*0.01 | X | 1 .. 50 |
| 4124 | 101C | Out2 Relay Control Delay thdI | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4125 | 101D | Out2 Relay Control Hysteresis thdI | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4126 | 101E | Out2 Relay Control Function PF | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4127 | 101F | Out2 Relay Control Value PF | Unsigned 16-bit | Read / Write | Data*0.001 | X | 0.50 .. 0.99 |
| 4128 | 1020 | Out2 Relay Control Delay PF | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4129 | 1021 | Out2 Relay Control Hysteresis PF | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4130 | 1022 | Out2 Relay Control Function U Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4131 | 1023 | Out2 Relay Control Value U Un | Unsigned 16-bit | Read / Write | Data*0.01 | X | 1 .. 50 |
| 4132 | 1024 | Out2 Relay Control Delay U Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4133 | 1025 | Out2 Relay Control Hysteresis U Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4134 | 1026 | Out2 Relay Control Function I Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4135 | 1027 | Out2 Relay Control Value I Un | Unsigned 16-bit | Read / Write | Data*0.01 | X | 1 .. 50 |
| 4136 | 1028 | Out2 Relay Control Delay I Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4137 | 1029 | Out2 Relay Control Hysteresis I Un | Unsigned 16-bit | Read / Write | Data | X | 0 .. 10 |
| 4138 | 102A | Out2 Relay Control Function dI n | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1 |
| 4139 | 102B | Out2 Relay Control Delay dI n | Unsigned 16-bit | Read / Write | Data | X | 0 .. 1000 |
| 4140 | 102C | L1 Active Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
| 4141 | 102D | L1 Active Power L | | | | | |
| 4142 | 102E | L2 Active Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
| 4143 | 102F | L2 Active Power L | | | | | |
| 4144 | 1030 | L3 Active Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
| 4145 | 1031 | L3 Active Power L | | | | | |
| 4146 | 1032 | Total Active Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |

| 4147 | 1033 | Total Active Power L | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
|------|------|---------------------|---------------|------|------------|---|-----------|
| 4148 | 1034 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4149 | 1035 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4150 | 1036 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4151 | 1037 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4152 | 1038 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4153 | 1039 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4154 | 103A | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4155 | 103B | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4156 | 103C | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4157 | 103D | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4158 | 103E | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4159 | 103F | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4160 | 1040 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4161 | 1041 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4162 | 1042 | L1 Reactive Power H | Signed 32-bit | Read | Data*0.001 | Var | 0 .. Qmax |
| 4163 | 1043 | L1 Reactive Power L | | | | | |
| 4164 | 1044 | L2 Reactive Power H | Signed 32-bit | Read | Data*0.001 | Var | 0 .. Qmax |
| 4165 | 1045 | L2 Reactive Power L | | | | | |
| 4166 | 1046 | L3 Reactive Power H | Signed 32-bit | Read | Data*0.001 | Var | 0 .. Qmax |
| 4167 | 1047 | L3 Reactive Power L | | | | | |
| 4168 | 1048 | Total Reactive Power H | Signed 32-bit | Read | Data*0.001 | Var | 0 .. Qmax |
| 4169 | 1049 | Total Reactive Power L | | | | | |
| 4170 | 104A | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4171 | 104B | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4172 | 104C | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4173 | 104D | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4174 | 104E | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4175 | 104F | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4176 | 1050 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4177 | 1051 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4178 | 1052 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4179 | 1053 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4180 | 1054 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4181 | 1055 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4182 | 1056 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4183 | 1057 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4184 | 1058 | L1 Apparent Power H | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |
| 4185 | 1059 | L1 Apparent Power L | | | | | |
| 4186 | 105A | L2 Apparent Power H | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |
| 4187 | 105B | L2 Apparent Power L | | | | | |
| 4188 | 105C | L3 Apparent Power H | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |
| 4189 | 105D | L3 Apparent Power L | | | | | |
| 4190 | 105E | Total Apparent Power H | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |
| 4191 | 105F | Total Apparent Power L | | | | | |
| 4192 | 1060 | L1 Maximum Apparent Power H | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |
| 4193 | 1061 | L1 Maximum Apparent Power L | | | | | |
| 4194 | 1062 | L2 Maximum Apparent Power H | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |
| 4195 | 1063 | L2 Maximum Apparent Power L | | | | | |
| 4196 | 1064 | L3 Maximum Apparent Power H | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4197 | 1065 | L3 Maximum Apparent Power L | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |
| 4198 | 1066 | Total Maximum Apparent Power H | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |
| 4199 | 1067 | Total Maximum Apparent Power L | | | | | |
| 4200 | 1068 | L1 Demand Apparent Power H | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |
| 4201 | 1069 | L1 Demand Apparent Power L | | | | | |
| 4202 | 106A | L2 Demand Apparent Power H | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |
| 4203 | 106B | L2 Demand Apparent Power L | | | | | |
| 4204 | 106C | L3 Demand Apparent Power H | Unsigned 32-bit | Read | Data*0.001 | VA | 0 .. Smax |
| 4205 | 106D | L3 Demand Apparent Power L | | | | | |
| 4206 | 106E | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4207 | 106F | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4208 | 1070 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4209 | 1071 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4210 | 1072 | L1 Active Import Energy H3 | Unsigned 64-bit | Read | Data | Wh | 0 .. Max |
| 4211 | 1073 | L1 Active Import Energy H2 | | | | | |
| 4212 | 1074 | L1 Active Import Energy H1 | | | | | |
| 4213 | 1075 | L1 Active Import Energy L | | | | | |
| 4214 | 1076 | L2 Active Import Energy H3 | Unsigned 64-bit | Read | Data | Wh | 0 .. Max |
| 4215 | 1077 | L2 Active Import Energy H2 | | | | | |
| 4216 | 1078 | L2 Active Import Energy H1 | | | | | |
| 4217 | 1079 | L2 Active Import Energy L | | | | | |
| 4218 | 107A | L3 Active Import Energy H3 | Unsigned 64-bit | Read | Data | Wh | 0 .. Max |
| 4219 | 107B | L3 Active Import Energy H2 | | | | | |
| 4220 | 107C | L3 Active Import Energy H1 | | | | | |
| 4221 | 107D | L3 Active Import Energy L | | | | | |
| 4222 | 107E | Total Active Import Energy H3 | Unsigned 64-bit | Read | Data | Wh | 0 .. Max |
| 4223 | 107F | Total Active Import Energy H2 | | | | | |
| 4224 | 1080 | Total Active Import Energy H1 | | | | | |
| 4225 | 1081 | Total Active Import Energy L | | | | | |
| 4226 | 1082 | L1 Active Export Energy H3 | Unsigned 64-bit | Read | Data | Wh | 0 .. Max |
| 4227 | 1083 | L1 Active Export Energy H2 | | | | | |
| 4228 | 1084 | L1 Active Export Energy H1 | | | | | |
| 4229 | 1085 | L1 Active Export Energy L | | | | | |
| 4230 | 1086 | L2 Active Export Energy H3 | Unsigned 64-bit | Read | Data | Wh | 0 .. Max |
| 4231 | 1087 | L2 Active Export Energy H2 | | | | | |
| 4232 | 1088 | L2 Active Export Energy H1 | | | | | |
| 4233 | 1089 | L2 Active Export Energy L | | | | | |
| 4234 | 108A | L3 Active Export Energy H3 | Unsigned 64-bit | Read | Data | Wh | 0 .. Max |
| 4235 | 108B | L3 Active Export Energy H2 | | | | | |
| 4236 | 108C | L3 Active Export Energy H1 | | | | | |
| 4237 | 108D | L3 Active Export Energy L | | | | | |
| 4238 | 108E | Total Active Export Energy H3 | Unsigned 64-bit | Read | Data | Wh | 0 .. Max |
| 4239 | 108F | Total Active Export Energy H2 | | | | | |
| 4240 | 1090 | Total Active Export Energy H1 | | | | | |
| 4241 | 1091 | Total Active Export Energy L | | | | | |
| 4242 | 1092 | L1 Inductive Energy H3 | Unsigned 64-bit | Read | Data | Varh | 0 .. Max |
| 4243 | 1093 | L1 Inductive Energy H2 | | | | | |
| 4244 | 1094 | L1 Inductive Energy H1 | | | | | |
| 4245 | 1095 | L1 Inductive Energy L | | | | | |
| 4246 | 1096 | L2 Inductive Energy H3 | | | | | |

| 4247 | 1097 | L2 Inductive Energy H2 | Unsigned 64-bit | Read | Data | Varh | 0 .. Max |
|---|---|---|---|---|---|---|---|
| 4248 | 1098 | L2 Inductive Energy H1 | | | | | |
| 4249 | 1099 | L2 Inductive Energy L | | | | | |
| 4250 | 109A | L3 Inductive Energy H3 | Unsigned 64-bit | Read | Data | Varh | 0 .. Max |
| 4251 | 109B | L3 Inductive Energy H2 | | | | | |
| 4252 | 109C | L3 Inductive Energy H1 | | | | | |
| 4253 | 109D | L3 Inductive Energy L | | | | | |
| 4254 | 109E | Total Inductive Energy H3 | Unsigned 64-bit | Read | Data | Varh | 0 .. Max |
| 4255 | 109F | Total Inductive Energy H2 | | | | | |
| 4256 | 10A0 | Total Inductive Energy H1 | | | | | |
| 4257 | 10A1 | Total Inductive Energy L | | | | | |
| 4258 | 10A2 | L1 Capacitive Energy H3 | Unsigned 64-bit | Read | Data | Varh | 0 .. Max |
| 4259 | 10A3 | L1 Capacitive Energy H2 | | | | | |
| 4260 | 10A4 | L1 Capacitive Energy H1 | | | | | |
| 4261 | 10A5 | L1 Capacitive Energy L | | | | | |
| 4262 | 10A6 | L2 Capacitive Energy H3 | Unsigned 64-bit | Read | Data | Varh | 0 .. Max |
| 4263 | 10A7 | L2 Capacitive Energy H2 | | | | | |
| 4264 | 10A8 | L2 Capacitive Energy H1 | | | | | |
| 4265 | 10A9 | L2 Capacitive Energy L | | | | | |
| 4266 | 10AA | L3 Capacitive Energy H3 | Unsigned 64-bit | Read | Data | Varh | 0 .. Max |
| 4267 | 10AB | L3 Capacitive Energy H2 | | | | | |
| 4268 | 10AC | L3 Capacitive Energy H1 | | | | | |
| 4269 | 10AD | L3 Capacitive Energy L | | | | | |
| 4270 | 10AE | Total Capacitive Energy H3 | Unsigned 64-bit | Read | Data | Varh | 0 .. Max |
| 4271 | 10AF | Total Capacitive Energy H2 | | | | | |
| 4272 | 10B0 | Total Capacitive Energy H1 | | | | | |
| 4273 | 10B1 | Total Capacitive Energy L | | | | | |
| 4274 | 10B2 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4275 | 10B3 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4276 | 10B4 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4277 | 10B5 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4278 | 10B6 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4279 | 10B7 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4280 | 10B8 | L1 Apparent Energy H3 | Unsigned 64-bit | Read | Data | VAh | 0 .. Max |
| 4281 | 10B9 | L1 Apparent Energy H2 | | | | | |
| 4282 | 10BA | L1 Apparent Energy H1 | | | | | |
| 4283 | 10BB | L1 Apparent Energy L | | | | | |
| 4284 | 10BC | L2 Apparent Energy H3 | Unsigned 64-bit | Read | Data | VAh | 0 .. Max |
| 4285 | 10BD | L2 Apparent Energy H2 | | | | | |
| 4286 | 10BE | L2 Apparent Energy H1 | | | | | |
| 4287 | 10BF | L2 Apparent Energy L | | | | | |
| 4288 | 10C0 | L3 Apparent Energy H3 | Unsigned 64-bit | Read | Data | VAh | 0 .. Max |
| 4289 | 10C1 | L3 Apparent Energy H2 | | | | | |
| 4290 | 10C2 | L3 Apparent Energy H1 | | | | | |
| 4291 | 10C3 | L3 Apparent Energy L | | | | | |
| 4292 | 10C4 | Total Apparent Energy H3 | Unsigned 64-bit | Read | Data | VAh | 0 .. Max |
| 4293 | 10C5 | Total Apparent Energy H2 | | | | | |
| 4294 | 10C6 | Total Apparent Energy H1 | | | | | |
| 4295 | 10C7 | Total Apparent Energy L | | | | | |
| 4296 | 10C8 | L1 03.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |

| 4297 | 10C9 | L1 05.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
|------|------|------------------|-----------------|------|-----------|---|------------|
| 4298 | 10CA | L1 07.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4299 | 10CB | L1 09.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4300 | 10CC | L1 11.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4301 | 10CD | L1 13.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4302 | 10CE | L1 15.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4303 | 10CF | L1 17.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4304 | 10D0 | L1 19.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4305 | 10D1 | L1 21.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4306 | 10D2 | L1 23.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4307 | 10D3 | L1 25.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4308 | 10D4 | L1 27.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4309 | 10D5 | L1 29.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4310 | 10D6 | L1 31.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4311 | 10D7 | L2 03.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4312 | 10D8 | L2 05.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4313 | 10D9 | L2 07.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4314 | 10DA | L2 09.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4315 | 10DB | L2 11.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4316 | 10DC | L2 13.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4317 | 10DD | L2 15.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4318 | 10DE | L2 17.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4319 | 10DF | L2 19.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4320 | 10E0 | L2 21.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4321 | 10E1 | L2 23.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4322 | 10E2 | L2 25.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4323 | 10E3 | L2 27.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4324 | 10E4 | L2 29.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4325 | 10E5 | L2 31.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4326 | 10E6 | L3 03.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4327 | 10E7 | L3 05.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4328 | 10E8 | L3 07.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4329 | 10E9 | L3 09.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4330 | 10EA | L3 11.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4331 | 10EB | L3 13.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4332 | 10EC | L3 15.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4333 | 10ED | L3 17.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4334 | 10EE | L3 19.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4335 | 10EF | L3 21.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4336 | 10F0 | L3 23.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4337 | 10F1 | L3 25.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4338 | 10F2 | L3 27.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4339 | 10F3 | L3 29.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4340 | 10F4 | L3 31.HD Voltage | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4341 | 10F5 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4342 | 10F6 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4343 | 10F7 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4344 | 10F8 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4345 | 10F9 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4346 | 10FA | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |

| 4347 | 10FB | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
|------|------|---------------------|-----------------|------|-----------|---|-----------|
| 4348 | 10FC | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4349 | 10FD | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |
| 4350 | 10FE | L1 03.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4351 | 10FF | L1 05.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4352 | 1100 | L1 07.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4353 | 1101 | L1 09.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4354 | 1102 | L1 11.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4355 | 1103 | L1 13.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4356 | 1104 | L1 15.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4357 | 1105 | L1 17.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4358 | 1106 | L1 19.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4359 | 1107 | L1 21.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4360 | 1108 | L1 23.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4361 | 1109 | L1 25.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4362 | 110A | L1 27.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4363 | 110B | L1 29.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4364 | 110C | L1 31.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4365 | 110D | L2 03.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4366 | 110E | L2 05.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4367 | 110F | L2 07.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4368 | 1110 | L2 09.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4369 | 1111 | L2 11.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4370 | 1112 | L2 13.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4371 | 1113 | L2 15.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4372 | 1114 | L2 17.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4373 | 1115 | L2 19.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4374 | 1116 | L2 21.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4375 | 1117 | L2 23.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4376 | 1118 | L2 25.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4377 | 1119 | L2 27.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4378 | 111A | L2 29.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4379 | 111B | L2 31.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4380 | 111C | L3 03.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4381 | 111D | L3 05.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4382 | 111E | L3 07.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4383 | 111F | L3 09.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4384 | 1120 | L3 11.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4385 | 1121 | L3 13.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4386 | 1122 | L3 15.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4387 | 1123 | L3 17.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4388 | 1124 | L3 19.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4389 | 1125 | L3 21.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4390 | 1126 | L3 23.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4391 | 1127 | L3 25.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4392 | 1128 | L3 27.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4393 | 1129 | L3 29.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4394 | 112A | L3 31.HD Current | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4395 | 112B | L1 THDV | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4396 | 112C | L2 THDV | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |

| 4397 | 112D | L3 THDV | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
|------|------|---------|-----------------|------|-----------|---|-------------|
| 4398 | 112E | 3P THDV | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4399 | 112F | L1 THDI | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4400 | 1130 | L2 THDI | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4401 | 1131 | L3 THDI | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4402 | 1132 | 3P THDI | Unsigned 16-bit | Read | Data*0.01 | % | 0,0 ..399,0 |
| 4403 | 1133 | L1 Active Fundamental Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
| 4404 | 1134 | L1 Active Fundamental Power L | | | | | |
| 4405 | 1135 | L2 Active Fundamental Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
| 4406 | 1136 | L2 Active Fundamental Power L | | | | | |
| 4407 | 1137 | L3 Active Fundamental Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
| 4408 | 1138 | L3 Active Fundamental Power L | | | | | |
| 4409 | 1139 | Total Active Fundamental Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
| 4410 | 113A | Total Active Fundamental Power L | | | | | |
| 4411 | 113B | L1 Active Harmonic Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
| 4412 | 113C | L1 Active Harmonic Power L | | | | | |
| 4413 | 113D | L2 Active Harmonic Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
| 4414 | 113E | L2 Active Harmonic Power L | | | | | |
| 4415 | 113F | L3 Active Harmonic Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
| 4416 | 1140 | L3 Active Harmonic Power L | | | | | |
| 4417 | 1141 | Total Active Harmonic Power H | Signed 32-bit | Read | Data*0.001 | W | 0 .. Pmax |
| 4418 | 1142 | Total Active Harmonic Power L | | | | | |
| 4419 | 1143 | RESERVED read as 0 | Unsigned 16-bit | Read | Data | X | 0 |

Modbus Parity = 1-->None, 2-->Even, 3--> Odd

Digital In State = 0--> OFF, 1-->ON

Out1 Relay State = 0--> OFF, 1-->ON

Out2 Relay State = 0--> OFF, 1-->ON

Out1 Relay Control Parameter = 0-->OFF, 1-->ULn, 2-->ILn, 3-->ILt, 4-->thdU, 5-->thdI, 6-->PF, 7-->U Un, 8-->I Un, 9-->dI n

Out2 Relay Control Parameter = 0-->OFF, 1-->ULn, 2-->ILn, 3-->ILt, 4-->thdU, 5-->thdI, 6-->PF, 7-->U Un, 8-->I Un, 9-->dI n

Out1 Relay Control Function = 0-->LO, 1-->HI

Out2 Relay Control Function = 0-->LO, 1-->HI

Write Functions iare only supported on TPM-01ES-DIN and TPM-01ESH-DIN

There is no support "Out2 All Functions" and "Digital Input" Funtions on TPM-01ES and TPM-04 these registers are read as 0