

EU DECLARATION OF CONFORMITY (EN)

We Prolan Process Control Co. (H-2011 Budakalász Szentendrei út 1-3; Company Registration Number: 13-10-040721) solely and on our own behalf declare that the following product:

Prolan Energy Meter Gateway, Type: PEMG2

Prolan Process Control Co. and the Prolan Electronics factory have been operating in accordance with the ISO 9001:2015 quality management system and its procedures for design, manufacture and maintenance, as well as measurements, tests and inspections in accordance with the following European Union directives:

- **2014/53/EU Radio Equipment Directive**
- **2011/65/EU Restriction of the use of certain hazardous substances (ROHS)**

Based on the conformity assessment procedure referred to in Article 10 of the **Radio Equipment Directive** 2014/53/EU and detailed in Annex III, it complies with the requirements of the Directive. **Certificate No B-21-152-TAN** (by MATRIX Vizsgáló, Ellenőrző és Tanúsító Kft. H-2040 Budaörs, Szabadság út 290.).

The following harmonized standards and normative documents are those to which the product's conformance is declared, and by specific reference to the essential requirements of the referenced Directives:

Health & Safety (Article 3.1(a) of the RED)	EN 62311:2008 EN 62368-1:2014/AC:2015
EMC (Article 3.1(b) of the RED)	EN 301 489-1 V2.2.3 EN 301 489-52 V1.1.0 EN 301 489-19 V2.1.1 EN 55032:2015 EN 50121-3-2:2016
Spectrum (Article 3.2 of the RED)	EN 301 908-13 V11.1.2 EN 301 511 V12.5.1 EN 303 413 V1.1.1
2011/65/EU Restriction of the use of certain hazardous substances (RoHS)	EN IEC 63000:2018
Used software of radio equipment	
GSM handler version:	89cd5d_2021.03.12_12:02:41 or later
GSM monitor version:	89cd5d_2021.03.12_12:02:41 or later
Parameter settings version:	1.4 or higher.

Antenna requirements:

GSM/LTE:

Parameter		E-GSM 900 / LTE B8	DCS 1800 / LTE B3	LTE B20
TX frequency		880 – 915 MHz	1710 – 1785 MHz	832 – 862 MHz
RX frequency		925 – 960 MHz	1805 – 1880 MHz	791 – 821 MHz
Impedance		50 Ohm		
VSWR	Tx	max 1.5:1		
	Rx	max 1.5:1		
Typical radiated gain		min 0 dBi in one direction at least		
Radiation pattern		Omni-directional		
Input power		min 2W		
Connector type		FME (f)		

GNSS:

Parameter	GPS	GLONASS	Galileo	BeiDou
Frequency	L1C/A (1575.42 MHz)	L1OF (1602 MHz + k*562,5 kHz, k=-7,...,5,6)	E1-B/C (1575.42 MHz)	B1I (1561.098 MHz)
Impedance	50 Ohm			
Type	Active (5 V DC)			
Polarization	RHC			
VSWR	max 1.9:1			
Antenna LNA gain	min 15 dB			
Connector type	SMA (m)			

The product is CE marked, and the marking is valid if the conditions are met.

The place where the technical, design, hardware, software and test documentation supporting this declaration are stored is: Prolan Process Control Co. (H-2011 Budakalász Szentendrei út 1-3).

Budakalász, 22nd June 2021

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 Márton Feldmann
 Director, Member of Board
 Prolan Co.