

SMSVAGA

patented

TECHNICAL SPECIFICATIONS

SMS Scale · overview

Edition 3.5.5

smsvaga.com

OPTICAL d.o.o. · Kruševac

Technical specifications

The SMS Scale is manufactured according to the bottom-board dimensions of standard hive types:

Type	Hive name	Construction (mm)	Pan (mm)
LR/DB10	Langstroth / Dadant-Blatt 10	350 × 450 × 90	412 × 504 × 100
DB12	Dadant-Blatt 12	450 × 450 × 90	504 × 504 × 100
AŽ	Alberti-Žnidaršič	350 × 560 × 90	420 × 625 × 100
RV	Rodna Voja	350 × 350 × 90	414 × 414 × 100
Scale weight		≈ 5.8 kg (with battery 7.8 kg; with battery and pan ≈ 13 kg)	
Surface finish		plastification, zinc, stainless steel; the pan can also be made of wood	
Measuring range (gross)		up to 120 kg (error ± 10 g) or up to 240 kg (error ± 25 g); load cell up to 120 kg fitted as standard	
Operating temperature		−30 °C to +80 °C	
GSM module		Quad-band 850/900/1800/1900 MHz; Class 4 (2 W @ 850/900 MHz), Class 1 (1 W @ 1800/1900 MHz)	
GPRS		Class 12 (max downlink and uplink 85.6 kbps)	
Bluetooth		version 3.0	
SIM card		micro SIM, 1.8 V / 3.0 V	
Power supply		DC 11–30 V	
Current consumption		MODE1: 7 mA; MODE2: 3 mA	
Battery life (12 V / 7 Ah)		MODE1 (always on the network): ≈ 45 days; MODE2 (sleep mode): ≈ 120 days	
Measuring methods		free call, SMS message, Bluetooth, Android/iPhone application	
Report delivery		SMS, e-mail, FTP, UDP packet (JSON format)	
Certificates		CE, Serbian conformity mark (AAA), RoHS	