

12. 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