7. Technical data and optional equipment

7.1 Technical data of the PG-S balances

Power supply
100…240 V, 50/60 Hz, 9…20VA

Ambient conditions for PG-S balances

Height above sea leve	up to 4000 m
Temperature	5–40° C
Atmospheric humidity	max. 85% RH @ +30° C
Overvoltage category	II
Pollution degree	2

Standard equipment
- RS232C interface
- Protective cover
- Feedthrough for below-the-balance weighing
- Device for theft protection
- Device for stand fastening
- Operating instructions
- Description of interface commands (Reference manual MT-SICS)

Technical data	PG3001-S	PG5001-S	PG8001-S
Readability	0.1 g	0.1 g	0.1 g
Maximum capacity	3100 g	5100 g	8100 g
Taring range	0 ... 3100 g	0 ... 5100 g	0 ... 8100 g
Repeatability (s)	0.08 g	0.08 g	0.08 g
Linearity [1]	±0.1 g	±0.1 g	±0.1 g
Stabilization time (typical)	1...2 s	1...2 s	1...2 s
Adjustment • with internal weight • with external weights	internal, fully automatic motorized initiation (FACT) test possibility for checking the sensitivity 2/3 kg	2/3/4/5 kg	4/5/6/7/8 kg
Sensitivity • Temperature drift [1] [2] • Long-term drift [1] [3]	±10 ppm/°C ±0.007 %		
Weighing pan	240x240 mm	240x240 mm	240x240 mm
Dimensions (w/h/d)	240x100x366 mm	240x100x366 mm	240x100x366 mm
Net weight	6 kg	6 kg	6 kg

Technical data	PG8000-S	PG12001-S	PG12001-S DeltaRange®
Readability	1 g	0.1 g	0.1 g/1 g
Maximum capacity	8100 g	12100 g	12100 g
Fine range	–	–	2400 g
Taring range	0 ... 8100 g	0 ... 12100 g	0 ... 12100 g
Repeatability (s)	0.3 g	0.08 g	0.08 g/0.3 g
Linearity [1]	±0.5 g	±0.1 g	±0.1 g/±0.5 g
Stabilization time (typical)	1...2 s	1...2 s	1...2 s
Adjustment • with internal weight • with external weights	internal, fully automatic motorized initiation (FACT) test possibility for checking the sensitivity 4/5/6/7/8 kg	4/5/6/7/8/9/10/11/12 kg	4/5/6/7/8/9/10/11/12 kg
Sensitivity • Temperature drift [1] [2] • Long-term drift [1] [3]	±10 ppm/°C ±0.007 %		
Weighing pan	240x240 mm	240x240 mm	240x240 mm
Dimensions (w/h/d)	240x100x366 mm	240x100x366 mm	240x100x366 mm
Net weight	6 kg	6 kg	6 kg

[1] In the temperature range 15 ... 30 °C
[2] 1 ppm = 1/1 000 000 (referred to the current weight display)
[3] Sensitivity deviation/year after first-time startup with self-calibration FACT switched on