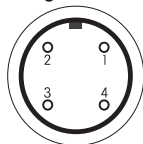


**Technical data of the LocalCAN universal interface**

- Cable length between two devices maximum 10 m
- Sum of the cable lengths of all attached devices maximum 15 m

**Pin assignment**

Rear view of instrument

Pin No.	Signal
1	negative signal line (-CAN)
2	positive signal line (+CAN)
3	P/plus pin of power supply (V CAN) for peripherals, e.g. auxiliary display LC-AD
4	minus pin of power supply (0 V) for peripherals

**7.2 Technical data of the PR/SR balances****7.2.1 Technical data for available models**

Technical data	PR203	PR503	PR503 DeltaRange	PR803	PR1203	PR2003 DeltaRange
Readability	0.001 g	0.001 g	0.001 g/0.01 g	0.001 g	0.001 g	0.001 g/0.01 g
Max. capacity	210 g	510 g	100 g/510 g	810 g	1210 g	500 g/2100 g
Taring range (by subtraction)	0...210 g	0...510 g	0...510 g	0...810 g	0...1210 g	0...2100 g
Repeatability (s)	0.0005 g	0.0005 g	0.0005 g/0.003 g	0.001 g	0.001 g	0.001 g/0.003 g
Linearity <sup>1)</sup>	±0.002 g	±0.002 g	±0.002 g/±0.005 g	±0.002 g	±0.002 g	±0.002 g/±0.005 g
Stabilization time (typical)	1...2.5 s	1...2.5 s	1...2 s	3...5 s	3...5 s	3...6 s
Calibration with internal weight with external weights (recommended value)	Fully automatic and/or time-controlled self-calibration proFACT, manual initiation possible; test possibility for check on the sensitivity					
	≥ 100 g	≥ 200 g	≥ 200 g	≥ 400 g	≥ 500 g	≥ 500 g
Sensitivity						
Temperature drift <sup>1) 2)</sup>	±5 ppm/°C	±3 ppm/°C	±3 ppm/°C	±2 ppm/°C	±2 ppm/°C	±2.5 ppm/°C
Long-term stability <sup>1) 3)</sup>	±0.0025 %	±0.0015 %	±0.0015 %	±0.001 %	±0.001 %	±0.001 %
Size of weighing pan	128 mm x 128 mm					
All-purpose draft shield (glass) standard						
Free height above pan	137 mm					
Dimensions (w x d x h)	200 mm x 385 mm x 234 mm (incl. terminal)					
Net weight	6.4 kg					
Power supply	separate	separate	separate	separate	separate	separate

<sup>1)</sup> In the temperature range 10 ... 30 °C

<sup>2)</sup> 1 ppm = 1/1 000 000 (referred to the current weight display)

<sup>3)</sup> Sensitivity deviation/year after first-time startup with self-calibration proFACT switched on

<b>Technical data</b>	<b>PR5003 DualRange</b>	<b>PR802</b>	<b>PR2002</b>
Readability	0.001 g/0.01 g	0.01 g	0.01 g
Max. capacity	1010 g/5100 g	810 g	2100 g
Taring (by subtraction)	0...1010 g/ 0... 5100 g	0...810 g	0...2100 g
Repeatability (s)	0.001 g/ 0.005 g	0.005 g	0.005 g
Linearity <sup>1)</sup>	±0.003 g/ ±0.01 g	±0.01 g	±0.02 g
Stabilization time (typical)	5...12 s	1...2 s	1...2 s
Calibration with internal weight with external weights (recommended value)	Fully automatic and/or time-controlled self-calibration proFACT, manual initiation possible; test possibility for check on the sensitivity ≥ 1000 g	≥ 400 g	≥ 1000 g
Sensitivity			
Temperature drift <sup>1) 2)</sup>	±1.0 ppm/°C	±6 ppm/°C	±5 ppm/°C
Long-term stability <sup>1) 3)</sup>	±0.0015 %	±0.005 %	±0.0025 %
Size of weighing pan	128 x 128 mm	165 x 165 mm	
All-purpose draft shield (glass) or high glass draft shield	optional standard	optional optional	optional optional
Dimensions (w x d x h)	200 x 385 x 370 mm	200 x 385 x 90 mm (incl. terminal)	
Net weight	9.1 kg	6.3 kg	6.3 kg
Power supply	separate	separate	separate

<sup>1)</sup> In the temperature range 10 ... 30 °C

<sup>2)</sup> 1 ppm = 1/1 000 000 (referred to the current weight display)

<sup>3)</sup> Sensitivity deviation/year after first-time startup with self-calibration proFACT switched on

<b>Technical data</b>	<b>PR5002</b>	<b>PR5002 DeltaRange</b>	<b>PR8002</b>	<b>PR8002 DeltaRange</b>
Readability	0.01 g	0.01 g/0.1 g	0.1 g	0.01 g/0.1 g
Max. capacity	5100 g	1000 g/5100 g	8100 g	1600 g/8100 g
Taring (by subtraction)	0...5100 g	0...5100 g	0...8100 g	0...8100 g
Repeatability (s)	0.005 g	0.005 g/0.03 g	0.01 g	0.01 g/0.03 g
Linearity <sup>1)</sup>	±0.02 g	±0.02 g/ ±0.05 g	±0.02 g	±0.02 g/ ±0.05 g
Stabilization time (typical)	1...2 s	1...2 s	3...5 s	3...5 s
Calibration with internal weight with external weights (recommended value)	Fully automatic and/or time-controlled self-calibration proFACT, manual initiation possible; test possibility for check on the sensitivity			
	≥ 2000 g	≥ 2000 g	≥ 4000 g	≥ 2000 g
Sensitivity				
Temperature drift <sup>1) 2)</sup>	±3 ppm/°C	±3 ppm/°C	±2.5 ppm/°C	±2.5 ppm/°C
Long-term stability <sup>1) 3)</sup>	±0.0015 %	±0.0015 %	±0.0015 %	±0.0015 %
Size of weighing pan	165 x 165 mm			
All-purpose draft shield (glass) or high glass draft shield	optional optional			
Dimensions (w x d x h)	200 x 385 x 90 mm (incl. terminal)			
Net weight	6.3 kg	6.3 kg	5.7 kg	5.7 kg
Power supply	separate separate separate separate			

<sup>1)</sup> In the temperature range 10 ... 30 °C

<sup>2)</sup> 1 ppm = 1/1 000 000 (referred to the current weight display)

<sup>3)</sup> Sensitivity deviation/year after first-time startup with self-calibration proFACT switched on

<b>Technical data</b>	<b>PR2004 Comparator</b>	<b>PR2003 Comparator</b>	<b>PR5003 Comparator</b>	<b>PR10003 Comparator</b>
Readability	0.1 mg	1 mg	1 mg	1 mg
Max. capacity	2300 g	2100 g	5100 g	10100 g
Taring (by subtraction)	0...2300 g	0...2100 g	0...5100 g	0...10100 g
Repeatability	0.3 mg Standard deviation of 10 weighings (after elimination of drift)	1 mg	1.5 mg	2 mg
Linearity	±0.5 mg	±3 mg	±5 mg	±10 mg
Stabilization time (typical)	15 s	4...8 s	12...18 s	14...20 s
Calibration with internal weight with external weights	Fully automatic and/or time-controlled self-calibration proFACT, test possibility for check on the sensitivity ≥ 500 g		≥ 2000 g	≥ 4000 g
Sensitivity Temperature drift <sup>1) 2)</sup>	±1 ppm/°C	±2.5 ppm/°C	±1 ppm/°C	±1 ppm/°C
Weighing pan LevelMatic® pan (for automatic centering of the load)	dia. 150 mm Standard	128 x 128 mm Optional (Order no. 225675)	dia. 150 mm Standard	dia. 150 mm Standard
Free space above weighing pan	240 mm	265 mm	240 mm	240 mm
Display	VFD (vacuum fluorescent display)			
Draft shield	Glass			
Below-the-balance weighing	Opening available			
Data Interface	LocalCAN Universal Data Interface (Supporting both RS232C and CL)			
Dimensions (w x d x h)	200 x 385 x 370 mm			
Net weight	9.5 kg	9.1 kg	9.5 kg	9.5 kg

<sup>1)</sup> In the temperature range 10 ... 30 °C

<sup>2)</sup> 1 ppm = 1/1 000 000 (referred to the current weight display)

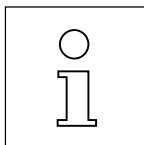
<b>Technical data</b>	<b>PR3001</b>	<b>PR5001</b>	<b>PR8001</b>	<b>PR8000</b>
Readability	0.1 g	0.1 g	0.1 g	1 g
Max. capacity	3100 g	5100 g	8100 g	8100 g
Taring (by subtraction)	0...3100 g	0...5100 g	0...8100 g	0...8100 g
Repeatability (s)	0.05 g	0.05 g	0.05 g	0.3 g
Linearity <sup>1)</sup>	±0.1 g	±0.1 g	±0.1 g	±0.5 g
Stabilization time (typical)	1...2 s	1...2 s	1...2 s	1...2 s
Calibration with internal weight with external weights (recommended value)	Fully automatic and/or time-controlled self-calibration proFACT, manual initiation possible; test possibility for check on the sensitivity			
	≥ 2000 g	≥ 2000 g	≥ 4000 g	≥ 4000 g
Sensitivity				
Temperature drift <sup>1) 2)</sup>	±10 ppm/°C	±10 ppm/°C	±10 ppm/°C	±10 ppm/°C
Long-term stability <sup>1) 3)</sup>	±0.005 %	±0.005 %	±0.005 %	±0.005 %
Size of weighing pan (mm)	204 x 204 <sup>4)</sup>	204 x 204	204 x 204	204 x 204
All-purpose draft shield (glass)	– <sup>4)</sup>	–	–	–
Dimensions (w x d x h)	204 x 385 x 90 mm (incl. terminal)			
Net weight	6.2 kg	6.1 kg	6.1 kg	6.1 kg
Power supply	built-in			

<sup>1)</sup> In the temperature range 10 ... 30 °C

<sup>2)</sup> 1 ppm = 1/1 000 000 (referred to the current weight display)

<sup>3)</sup> Sensitivity deviation/year after first-time startup with self-calibration proFACT switched on

<sup>4)</sup> PR with 0.1 g readability in certified version: weighing pan 165 x 165 mm, optional draft shield possible



With the exception of the dimensions, the same technical data apply for R balances (PR balances without terminal).

<b>Technical data</b>	<b>SR8001</b>	<b>SR16001</b>	<b>SR32001</b>	<b>SR16001 DeltaRange</b>
Readability	0.1 g	0.1 g	0.1 g	0.1 g/1 g
Max. capacity	8100 g	16100 g	32100 g	3200 g/16100 g
Taring range (by subtraction)	0...8100 g	0...16100 g	0...32100 g	0...16100 g
Repeatability (s)	0.05 g	0.05 g	0.1 g	0.05 g/0.3 g
Linearity <sup>1)</sup>	±0.2 g	±0.2 g	±0.2 g <sup>5)</sup>	±0.2 g/±0.5 g
Stabilization time (typical) <sup>5)</sup>	1...2 s	1...3 s	1...3 s	1...3 s
Calibration with internal weight with external weights (recommended value)	Fully automatic and/or time-controlled self-calibration proFACT, manual initiation possible; test possibility for check on the sensitivity			
	≥ 4000 g	≥ 8000 g	≥ 8000 g	≥ 8000 g
Preload max <sup>4)</sup>	10 kg	2 kg	0.3 kg	2 kg
Sensitivity				
Temperature drift <sup>1) 2)</sup>	±6 ppm/°C	±6 ppm/°C	±5 ppm/°C	±6 ppm/°C
Long-term stability <sup>1) 3)</sup>	±0.005 %	±0.003 %	±0.0015 %	±0.003 %
Dimensions (w x d x h)				
Platform	360 x 280 x 130 mm, weight: 12.7 kg			
Terminal	205 x 125 x 50 mm (for fastening on longer or shorter side of platform)			

<b>Technical data</b>	<b>SR32001 DeltaRange</b>	<b>SR16000</b>	<b>SR32000</b>
Readability	0.1 g/1 g	1 g	1 g
Max. capacity	6400 g/32100 g	16100 g	32100 g
Taring range (by subtraction)	0...32100 g	0...16100 g	0...32100 g
Repeatability (s)	0.1 g/0.3 g	0.3 g	0.3 g
Linearity <sup>1)</sup>	±0.2 g/±0.5 g	±0.5 g	±0.5 g
Stabilization time (typical) <sup>5)</sup>	1...3 s	1...2 s	1.5...3 s
Calibration with internal weight with external weights (recommended value)	Fully automatic and/or time-controlled self-calibration proFACT, manual initiation possible; test possibility for check on the sensitivity		
	≥ 8000 g	≥ 4000 g	≥ 8000 g
Preload max. <sup>4)</sup>	0.3 kg	2 kg	0.3 kg
Sensitivity			
Temperature drift <sup>1) 2)</sup>	±5 ppm/°C	±10 ppm/°C	±5 ppm/°C
Long-term stability <sup>1) 3)</sup>	±0.0015 %	±0.006 %	±0.003 %
Dimensions (w x d x h)			
Platform	360 x 280 x 130 mm, weight: 12.7 kg		
Terminal	205 x 125 x 50 mm (for fastening on longer or shorter side of platform)		

<sup>1)</sup> In the temperature range 10 ... 30 °C

<sup>2)</sup> 1 ppm = 1/1 000 000 (referred to the current weight display)

<sup>3)</sup> Sensitivity deviation/year after first-time startup with self-calibration proFACT switched on

<sup>4)</sup> Admissible load when balance switched on without loss of weighing range

<sup>5)</sup> Typical value

<b>Technical data</b>	<b>SR64001</b>	<b>SR64001 DeltaRange</b>	<b>SR64000</b>
Readability	0.1 g	0.1 g/1 g	1 g
Max. capacity	64100 g	12800 g/64100 g	64100 g
Taring range (by subtraction)	0...64100 g	0...64100 g	0...64100 g
Repeatability (s)	0.1 g	0.1 g/0.3 g	0.3 g
Linearity <sup>1)</sup>	±0.3 g	±0.3 g/±0.5 g	±0.5 g
Stabilization time (typical) <sup>5)</sup>	2...4 s	2...4 s	2...4 s
Calibration with internal weight with external weights (recommended value)	Fully automatic and/or time-controlled self-calibration proFACT, manual initiation possible; test possibility for check on the sensitivity		
	≥ 20000 g	≥ 20000 g	≥ 20000 g
Preload max. <sup>4)</sup>	0.5 kg	0.5 kg	0.5 kg
Sensitivity			
Temperature drift <sup>1) 2)</sup>	±3 ppm/°C	±3 ppm/°C	±3 ppm/°C
Long-term stability <sup>1) 3)</sup>	±0.002 %	±0.002 %	±0.002 %
Dimensions (w x d x h)			
Platform	360 x 280 x 130 mm, weight: 14.7 kg		
Terminal	205 x 125 x 50 mm (for fastening on longer or shorter side of platform)		

<sup>1)</sup> In the temperature range 10 ... 30 °C

<sup>2)</sup> 1 ppm = 1/1 000 000 (referred to the current weight display)

<sup>3)</sup> Sensitivity deviation/year after first-time startup with self-calibration proFACT switched on

<sup>4)</sup> Admissible load when balance switched on without loss of weighing range

<sup>5)</sup> Typical value