

Technical data and ordering information

Technical data FRANEO 800

General

Frequency range 1 Hz ... 30 MHz

Source output

Output impedance (for $f = 20 \text{ Hz} \dots 2 \text{ MHz}$) $50 \Omega (\pm 2\%)$

Connector BNC

Amplitude $10 V_{pp}$ (at 50Ω)

Dynamic range (for $f = 20 \text{ Hz} \dots 2 \text{ MHz}$) $> 150 \text{ dB}$
($+10 \text{ dB} \dots -140 \text{ dB}$ noise floor_{RMS})

Attenuation/Accuracy (for $f = 20 \text{ Hz} \dots 2 \text{ MHz}$)

Typical accuracy $\pm 0.1 \text{ dB}$ (down to -50 dB) and
 $\pm 0.3 \text{ dB}$ (between -50 dB and -100 dB)

Guaranteed accuracy $\pm 0.3 \text{ dB}$ (down to -50 dB) and
 $\pm 0.5 \text{ dB}$ (between -50 dB and -100 dB)

Mechanical data

Dimensions (w x h x d) 252 x 53 x 265 mm /
10 x 2 x 10.4 in

Weight 1.8 kg / 4 lbs
(without measuring cables)

Environmental

Temperature Operating: $-10^\circ\text{C} \dots +55^\circ\text{C}$ /
 $+14^\circ\text{F} \dots +131^\circ\text{F}$

Storage: $-35^\circ\text{C} \dots +55^\circ\text{C}$ /
 $+31^\circ\text{F} \dots +131^\circ\text{F}$

Relative humidity 20% ... 95%, non-condensing

System requirements¹ for PTM

Operating system	Windows 10™, 64-bit Windows 8™ and 8.1™, 64-bit Windows 7™ SP1 , 32-bit and 64-bit
CPU	Multicore system with 2 GHz or faster Single core system with 2GHz or faster
RAM	minimum 4 GB (8 GB)
Hard disk	minimum 5 GB of available space
Storage device	DVD-ROM drive
Graphics adapter	Super VGA (1280x768) or higher-resolution video adapter and monitor ²
Interface	USB 2.0 ³ , Ethernet NIC ⁴
Installed software ⁵	Microsoft Office® 2016 , Office® 2013, Office® 2010 or Office® 2007

¹ Recommended system requirements marked in bold

² Graphics adapter supporting Microsoft® DirectX 9.0 or later is recommended.

³ USB 2.0 is needed for operation with FRANEO 800 and DIRANA.

⁴ The Ethernet NIC is needed for operation with CPC 100 and CIBANO 500.

⁵ Installed software required for the optional Microsoft Office® interface functions.

FRANEO 800 packages

	Description	Ordering No.
FRANEO 800 Standard Package	Package for performing sweep frequency response analysis (SFRA) on power transformers, featuring the FRANEO 800 device, dedicated bushing and flange clamps, the aluminium braids as well as the Primary Test Manager™ (PTM) software for easy operation.	VE000661
FRANEO 800 Quick Connection Package	Package for performing sweep frequency response analysis (SFRA) on power transformers, featuring the FRANEO 800 device, all-in-one cables (incl. ring reference ground connection and easy-to-connect clamps) as well as the Primary Test Manager™ (PTM) software for easy operation.	VE000662



FRANEO 800 Standard Package

FRANEO 800 accessories and upgrades

	Description	Ordering No.
Clamp Set for Short Bushings	2 x Short aluminum braids (1.5 m / 5 ft), 2 x Clamps in a carry bag	VEHZ0673
Quick Connection Upgrade Option	1 x Transport bag 2 x All-in-one cables with ring reference ground connection and easy-to-connect clamps 2 x Grounding leads (1 m / 3 ft) 2 x Grounding leads (2 m / 7 ft)	VEHZ0689