TESTRANO 600 ordering information

TESTRANO 600 packages

All packages can be configured with or without a 10.6" color touch display and are delivered by default with the Primary Test ManagerTM Standard software. Find advanced control options in the corresponding section.

	TESTRANO 600 Basic Package	TESTRANO 600 Standard Package	TESTRANO 600 Enhanced Package	TESTRANO 600 Advanced package	TESTRANO 600 Universal Package
PTM Standard software license, including manual control mode and report generator	■	■	■	■	■
Quick test	■	■	■	■	■
Transformer turns ratio (TTR) / exciting current	■	■	■	■	■
DC winding resistance	■	■	■	■	■
Demagnetization	■	■	■	■	■
Short-circuit impedance / leakage reactance	–	■	■	■	■
Frequency response of stray losses (FRSL)	–	■	■	■	■
Power / dissipation factor and capacitance (inkl. CP TD12 and its accessories)	–	–	–	■	■
OLTC scan / dynamic resistance measurement (DRM)	–	–	■	–	■
Vector group check	–	–	■	–	■
Cooldown test	–	–	–	–	–
Power losses at low voltage	■	■	■	■	■
Ordering numbers	P0000703	P0000705	P0000455	P0000710	P0000748

■ included   – not included

Advanced control options

	Description	Ordering No.
TESTRANO 600 TouchControl (retrofit option)	TESTRANO 600 TouchControl featuring an integrated 10.6" color touch display	P0006234
PTM Advanced software license	License for PC software upgrade adding guided workflow, customized test plans, automatic assessment, graphical comparison and trending	P0006797

TESTRANO 600 ordering information

Upgrade options

	Description	Ordering No.
"Short-circuit impedance / leakage reactance" module	Software license upgrade to perform short-circuit impedance / leakage reactance tests and frequency response of stray losses (FRSL)	P0006795
"OLTC scan and transient recording" module	Software license upgrade to perform dynamic resistance measurements (DRM) including motor current recording for OLTC Note: Requires PTM advanced license (P0006797)	P0006796
"Vector group check" module	Software licence to automatically determine the vector group of the transformer	P0006799
"Cooldown test" module	Software license to perform cooldown tests Note: Requires TouchControl option (P0006234)	P0006800
CP TD12 upgrade option	Upgrade option to expand your exisiting TESTRANO 600 to a power / dissipation factor test system	P0007160
VAM1 upgrade option	Upgrade option to perform vibro-acoustic measurements on OLTC Note: For the motor current measurement a current clamp such as the C-Probe 1 (P0006362) is needed	P0000821

PTM software options

	Description	Ordering No.
PTM DataSync module "On Premises"	Easy data synchronization of a local database with a Primary Test Manager™ server database. License fee depending on the number of users:	
	> For up to 3 users	P0006571
	> For 1 additional user	P0006793
PTM DataSync module "Web"	Easy data synchronization of a local database with the Primary Test Manager™ cloud. License fee depending on the number of users and just valid for one year:	
	> For up to 3 users	P0006572
	> For 1 additional user	P0006794

TESTRANO 600 ordering information

Packages

	Ordering No.	Description
TESTRANO 600 Basic Package	P0000703	**Hardware**

Hardware

1 × TESTRANO 600 test unit

Software

1 × PTM Standard software

1 × Software licence for quick test

1 × Software licence for transformer turns ratio (TTR) / exciting current

1 × Software licence for DC winding resistance

1 × Software licence for demagnetization

1 × Software licence for power losses at low voltage

1 × User manual / Getting started / Installation CD

Cables and accessories

4 × Kelvin clamp red

4 × Kelvin clamp black

2 × Kelvin clamp
  (3 × 4 mm connector red, 1 × 4 mm connector black)

1 × Grounding cable 6 mm^2 (6 m / 19.5 ft.)

1 × HV cable (15 m / 49 ft)

1 × LV cable (15 m / 49 ft)

1 × Tap changer cable (15 m / 49 ft)

1 × Ethernet PC connection cable (3 m / 10 ft.)

1 × Power cord

1 × TESTRANO 600 transport case

1 × Soft bag for TESTRANO 600 accessories

1 × Calibration / Test certificate

TESTRANO 600 ordering information

Packages

	Ordering No.	Description
TESTRANO 600 Standard Package	P0000705	**Hardware**

Hardware
1 × TESTRANO 600 test unit
Software
1 × PTM Standard software
1 × Software licence for quick test
1 × Software licence for transformer turns ratio (TTR) / exciting current
1 × Software licence for DC winding resistance
1 × Software licence for demagnetization
1 × Software licence for short-circuit impedance / leakage reactance and frequency response of stray losses (FRSL)
1 × Software licence for power losses at low voltage
1 × User manual / Getting started / Installation CD
Cables and accessories
4 × Kelvin clamp red
4 × Kelvin clamp black
2 × Kelvin clamp
    (3 × 4 mm connector red, 1 × 4 mm connector black)
1 × Grounding cable 6 mm² (6 m / 19.5 ft.)
1 × HV cable (15 m / 49 ft)
1 × LV cable (15 m / 49 ft)
1 × Tap changer cable (15 m / 49 ft)
1 × Ethernet PC connection cable (3 m / 10 ft.)
1 × Power cord
1 × TESTRANO 600 transport case
1 × Soft bag for TESTRANO 600 accessories
1 × Calibration / Test certificate

TESTRANO 600 ordering information

Packages

	Ordering No.	Description
TESTRANO 600 Enhanced Package	P0000455	**Hardware**

Hardware
1 × TESTRANO 600 test unit

Software
1 × PTM Standard software
1 × Software licence for quick test
1 × Software licence for transformer turns ratio (TTR) / exciting current
1 × Software licence for DC winding resistance
1 × Software licence for demagnetization
1 × Software licence for short-circuit impedance / leakage reactance and frequency response of stray losses (FRSL)
1 × Software licence for power losses at low voltage
1 × Software licence for dynamic resistance measurement (DRM)
1 × Software licence for vector group check
1 × User manual / Getting started / Installation CD

Cables and accessories
4 × Kelvin clamp red
4 × Kelvin clamp black
2 × Kelvin clamp (3 × 4 mm connector red, 1 × 4 mm connector black)
1 × Grounding cable 6 mm² (6 m / 19.5 ft.)
1 × HV cable (15 m / 49 ft)
1 × LV cable (15 m / 49 ft)
1 × Tap changer cable (15 m / 49 ft)
1 × Ethernet PC connection cable (3 m / 10 ft.)
1 × Power cord
1 × TESTRANO 600 transport case
1 × Soft bag for TESTRANO 600 accessories
1 × Calibration / Test certificate

TESTRANO 600 ordering information

Packages

	Ordering No.	Description
TESTRANO 600 Advanced Package	P0000710	**Hardware**

Hardware

1 × TESTRANO 600 test unit

1 × CP TD12 hardware

Software

1 × PTM Standard software

1 × Software licence for quick test

1 × Software licence for transformer turns ratio (TTR) / exciting current

1 × Software licence for DC winding resistance

1 × Software licence for demagnetization

1 × Software licence for short-circuit impedance / leakage reactance and frequency response of stray losses (FRSL)

1 × Software licence for power / dissipation factor and capacitance

1 × Software licence for power losses at low voltage

1 × User manual / Getting started / Installation CD

Cables and accessories

4 × Kelvin clamp red

4 × Kelvin clamp black

2 × Kelvin clamp
    (3 × 4 mm connector red, 1 × 4 mm connector black)

1 × Grounding cable 6 mm² (6 m / 19.5 ft.)

1 × HV cable (15 m / 49 ft)

1 × LV cable (15 m / 49 ft)

1 × Tap changer cable (15 m / 49 ft)

1 × Ethernet PC connection cable (3 m / 10 ft.)

1 × Power cord

1 × CP Trolley

1 × TESTRANO 600 transport case

1 × Soft bag for TESTRANO 600 accessories

1 × CP TD accessories set

1 × CP TD transport case

1 × Calibration / Test certificate

TESTRANO 600 ordering information

Packages

	Ordering No.	Description
TESTRANO 600 Universal Package	P0000748	**Hardware** 1 × TESTRANO 600 test unit 1 × CP TD12 hardware **Software** 1 × PTM Standard software 1 × Software licence for quick test 1 × Software licence for transformer turns ratio (TTR) / exciting current 1 × Software licence for DC winding resistance 1 × Software licence for demagnetization 1 × Software licence for short-circuit impedance / leakage reactance and frequency response of stray losses (FRSL) 1 × Software licence for dynamic resistance measurement (DRM) 1 × Software licence for power / dissipation factor and capacitance 1 × Software licence for power losses at low voltage 1 × Software licence for vector group check 1 × User manual / Getting started / Installation CD **Cables and accessories** 4 × Kelvin clamp red 4 × Kelvin clamp black 2 × Kelvin clamp (3 × 4 mm connector red, 1 × 4 mm connector black) 1 × Grounding cable 6 mm² (6 m / 19.5 ft.) 1 × HV cable (15 m / 49 ft) 1 × LV cable (15 m / 49 ft) 1 × Tap changer cable (15 m / 49 ft) 1 × Ethernet PC connection cable (3 m / 10 ft.) 1 × Power cord 1 × CP Trolley 1 × TESTRANO 600 transport case 1 × Soft bag for TESTRANO 600 accessories 1 × CP TD accessories set 1 × CP TD transport case 1 × Calibration / Test certificate

TESTRANO 600 ordering information

Packages Upgrade Option

	Ordering No.	Description
VAM1 upgrade option	P0000821	**Hardware** 1 × VAM1

Cables and accessories

3 × Acceleration sensors
3 × Magnets, to mount sensors on transformer tank wall
3 × Screw adapters (M10) to mount sensors on OLTC lid
1 × Magnet to mount VAM1 module to transformer tank
3 × 5m sensor connection cable
1 × 15m EtherCat cable
1 × Silicon grease
1 × Grounding cable
1 × Softbag

Note: For the motor current measurement a current clamp such as the C-Probe 1 (P0006362) is needed

TESTRANO 600 ordering information

Hardware

	Order no.	Description	TESTRANO 600 Basic Package	TESTRANO 600 Standard Package	TESTRANO 600 Enhanced Package	TESTRANO 600 Advanced Package	TESTRANO 600 Universal Package	CP TD12 Upgrade Option
		TESTRANO 600 > Three-phase test system TESTRANO 600 > HV, LV and tap changer cable > Software and accessories according to TESTRANO 600 package overview	■	■	■	■	■	–
	P0007160	CP TD12 > CP TD12 capacitance and tan δ test unit > CP TD accessories > Foldable trolley	–	–	–	■	■	■

Accessories

	Order no.	Description						
	P0000280:AUS_NZL	C19 power cord for plug type I (Australia) 3 × 1.5 mm², 2.5 m / 8.20 ft	■*	■*	■*	■*	■*	–
	P0000280:BRA	C19 power cord for plug type N (Brasil) 3 × 1.5 mm², 2.5 m / 8.20 ft	■*	■*	■*	■*	■*	–
	P0000280:CHE	C19 power cord for plug type J (Swiss) 3 × 1.5 mm², 2.5 m / 8.20 ft	■*	■*	■*	■*	■*	–
	P0000280:DNK	C19 power cord for plug type K (Denmark) 3 × 1.5 mm², 2.5 m / 8.20 ft	■*	■*	■*	■*	■*	–
	P0000280:EU	C19 power cord for plug types E & F (Europe) 3 × 1.5 mm², 2.5 m / 8.20 ft	■*	■*	■*	■*	■*	–
	P0000280:GBR	C19 power cord for plug type G (UK, Honkong) 3 × 1.5 mm², 2.5 m / 8.20 ft	■*	■*	■*	■*	■*	–
	P0000280:open_end	C19 power cord (open end) 3 × 1.5 mm², 2.5 m / 8.20 ft, open ends	■*	■*	■*	■*	■*	–
	P0000280:USA	C19 power cord for plug type B (USA, Japan) 3 × 1.5 mm², 2.5 m / 8.20 ft	■*	■*	■*	■*	■*	–
	P0000280:IND_ZAF	C19 power cord for plug type M (India, South Africa) 3 × 1.5 mm², 2.5 m / 8.20 ft	■*	■*	■*	■*	■*	–

* Only one power cord with country-specific plug or open end is included per package

■ included – not included

TESTRANO 600 ordering information

Accessories

	Order no.	Description	TESTRANO 600 Basic Package	TESTRANO 600 Standard Package	TESTRANO 600 Enhanced Package	TESTRANO 600 Advanced Package	TESTRANO 600 Universal Package	CP TD12 Upgrade Option
	B0349701	Grounding cable 6 mm² (6 m / 19.5 ft.)	1 ×	1 ×	1 ×	1 ×	1 ×	–
	B1334704	High-voltage (HV) cable (15 m / 49 ft)	■	■	■	■	■	–
	B1334804	Low-voltage (LV) cable (15 m / 49 ft)	■	■	■	■	■	–
	P0006204	HV cable extension package (6 m / 19.7 ft)	–	–	–	–	–	–
	P0006205	LV cable extension package (6 m / 19.7 ft)	–	–	–	–	–	–
	B1359000	Tap changer cable (15 m / 49 ft)	■	■	■	■	■	–
	B1882800	TESTRANO 600 HV cable (4m / 13 ft)	–	–	–	–	–	–
	B1882700	TESTRANO 600 LV cable (4m / 13 ft)	–	–	–	–	–	–
	B1882900	TESTRANO 600 tap changer cable (4m / 13 ft)	–	–	–	–	–	–
	P0006352	Measurement capacitance MCA1 for transformer turns ratio test up to 12 kV using CP TD12	–	–	–	–	–	–
	P0006434	C-Probe 1 current clamp (23 cm / 9.1 in, 10 A and 80 A measuring ranges, DC to 10 kHz frequency range)	–	–	–	–	–	–
	P0006330	Bushing adapters and accessories set	–	–	–	–	–	–
	P0006263	Solid terminal adapters (12 pcs)	–	–	–	■	■	■
	B1875602	CP trolley Comfortable trolley for single person operation in the field with dissipation/power factor test system	–	–	–	■	■	■

■ included – not included

TESTRANO 600 ordering information

Accessories

Order no.	Description	TESTRANO 600 Basic Package	TESTRANO 600 Standard Package	TESTRANO 600 Enhanced Package	TESTRANO 600 Advanced Package	TESTRANO 600 Universal Package	CP TD12 Upgrade Option
P0006282	CP TD accessories set	–	–	–	■	■	■
B0508901	Kelvin clamp red	4 ×	4 ×	4 ×	4 ×	4 ×	–
B0508900	Kelvin clamp black	4 ×	4 ×	4 ×	4 ×	4 ×	–
B0975300	Kelvin clamp, 3 × 4 mm connector red, 1 × 4 mm connector black	2 ×	2 ×	2 ×	2 ×	2 ×	–
B0347200	Crocodile clamps for connection of the banana plugs, 4 mm / 0.16 in (2 × red and 2 × black)	■	■	■	■	■	■
B0649200	Hot collar band	–	–	–	2 ×	2 ×	2 ×

■ included   – not included

TESTRANO 600 ordering information

Transport accessories

	Order no.	Description	TESTRANO 600 Basic Package	TESTRANO 600 Standard Package	TESTRANO 600 Enhanced Package	TESTRANO 600 Advanced Package	TESTRANO 600 Universal Package	CP TD12 Upgrade Option
	B1888000	Transport case with wheels for CP TD12 and CP TD accessories	–	–	–	■	■	■
	P0000785	Two case solution for CP TD12/15 and CP TD accessories	–	–	–	■	■	■
	E1446900	Soft bag for TESTRANO 600 accessories	■	■	■	■	■	–
	B0955001	Transport case for TESTRANO 600	■	■	■	■	■	–
	B1449803	Transport case for TESTRANO 600 accessories	–	–	–	–	–	–

■ included   ■ configuration option   — not included

TESTRANO 600 ordering information

Safety accessories

	Order no.	Description	TESTRANO 600 Basic Package	TESTRANO 600 Standard Package	TESTRANO 600 Enhanced Package	TESTRANO 600 Advanced Package	TESTRANO 600 Universal Package	CP TD12 Upgrade Option
	P0006337	**SAA2 Warning Lamp Set – Basic Package** Slim package with one lamp in a small transportation case, including > 1 × SAA2 control unit > 1 × signal lamp > 1 × transport case for 1 signal lamp	–	–	–	–	–	–
	P0006338	**SAA2 Warning Lamp Set – Standard Package** Configurable package for up to 4 lamps in one transport case, including > 1 × SAA2 control unit > 1 × signal lamp > 1 × transport case for 4 signal lamps	–	–	–	–	–	–
	P0000995	**SAA2 Extention Kit 1 Signal Lamp** Extension kit to configure the Standard Package, including > 1 × signal lamp > 1 × connection cable	–	–	–	–	–	–
	P0006323	**3-Position remote safety switch** Remote safety switch with connection cable (15 m / 49.2 ft)	–	–	–	–	–	–

■ included   – not included

OMICRON is an international company that works passionately on ideas for making electric power systems safe and reliable. Our pioneering solutions are designed to meet our industry's current and future challenges. We always go the extra mile to empower our customers: we react to their needs, provide extraordinary local support, and share our expertise.

Within the OMICRON group, we research and develop innovative technologies for all fields in electric power systems. When it comes to electrical testing for medium- and high-voltage equipment, protection testing, digital substation testing solutions, and cybersecurity solutions, customers all over the world trust in the accuracy, speed, and quality of our user-friendly solutions.

Founded in 1984, OMICRON draws on their decades of profound expertise in the field of electric power engineering. A dedicated team of more than 900 employees provides solutions with 24/7 support at 25 locations worldwide and serves customers in more than 160 countries.

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