

RONDCOM Options >>>

Styluses

- Applicable Models ■ E-DT-R32A (R30C, R31C, R40C, R41C, R43C)
 ■ E-DT-LK-R405A (R46A)
 ■ E-DT-R74A (R60A)

1:1 Standard Sensitivity, L = 17mm

Measuring Application	Model	Outer Appearance	Specifications	Remarks
General purpose	0194 000			φ3.2mm carbide ball
Small holes	0194 001			φ1mm carbide ball
General purpose	0194 002			φ1.6mm carbide ball Standard stylus
Extra small holes	0194 009			φ0.5mm steel ball
Grooves	0194 003			R0.25mm, 55° conical sapphire L type, L = 4.5mm
Deep grooves	0194 004			R0.25mm, 55° conical sapphire L type, L = 10mm
Corners	0194 005			R0.25mm, 55° conical sapphire L type, L = 3.4mm/30°
Grooves	0194 006			R0.25mm, 55° conical sapphire T type, L = 6.5mm
Grooves	0194 007			R0.25mm, 55° conical sapphire T type, L = 10mm
Deep grooves	0194 008			R0.25mm, 55° conical sapphire T type, L = 20mm
Cutter mark removal	0194 010			R0.25mm sapphire L type, L = 4.8mm/R15mm
Extra small holes	EM49030-S361			φ0.5mm ruby ball
Extra small holes	EM49030-S381			φ0.3mm ruby ball

Roundness · Cylindricity Measuring Instruments/3D Vision Systems

2:1 Sensitivity, L = 54mm

Measuring Application	Model	Outer Appearance	Specifications	Remarks
General purpose	0194 200			φ3.2mm carbide ball
Small holes	0194 201			φ1mm carbide ball
General purpose	0194 202			φ1.6mm carbide ball Standard stylus
Extra small holes	0194 209			φ0.5mm steel ball
Grooves	0194 203			R0.25mm, 55° conical sapphire L type, L = 4.5mm
Deep grooves	0194 204			R0.25mm, 55° conical sapphire L type, L = 10mm
Corners	0194 205			R0.25mm, 55° conical sapphire L type, L = 3.4mm/30°
Grooves	0194 206			R0.25mm, 55° conical sapphire T type, L = 6.5mm
Grooves	0194 207			R0.25mm, 55° conical sapphire T type, L = 10mm
Deep grooves	0194 208			R0.25mm, 55° conical sapphire T type, L = 20mm
Cutter mark removal	0194 210			R0.25mm sapphire L type, L = 4.8mm/R15mm

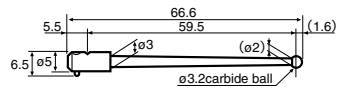
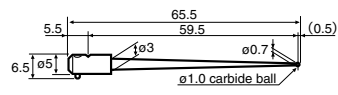
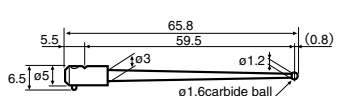
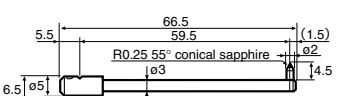
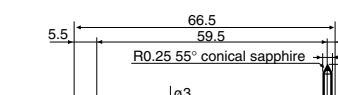
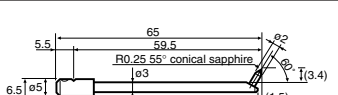
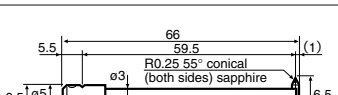
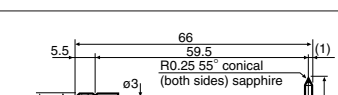
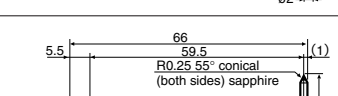
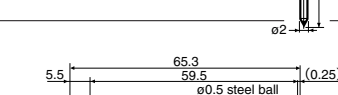
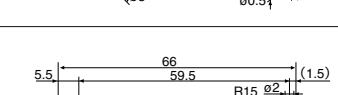
3:1 Sensitivity, L = 92mm

Measuring Application	Model	Outer Appearance	Specifications	Remarks
General purpose	0194 400			φ3.2mm carbide ball
Small holes	EM49201-S375			φ1 mm ruby ball
General purpose	EM49201-S374			φ1.6mm ruby ball
Deep grooves	EM49201-S315			R0.25mm, 55° conical sapphire L type, L = 10mm
Grooves	EM49201-S361			R0.25mm, 55° conical sapphire T type, L = 6.5mm
Extra small holes	EM49201-S376			φ0.5mm ruby ball

Styluses

- Applicable Models ■ E-DT-R95A (R30C, R31C, R40C, R41C, R46A, R60A)
 ■ E-DT-R83A (R47A, R55B, R60A, R65A)
 ■ E-DT-R120A (R44DX/SD, R54DX/SD, R55A/B, R60A, R65A)

1:1 Standard Sensitivity, L = 59.5mm

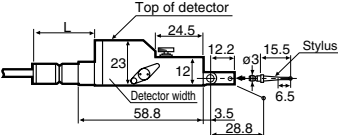
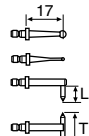
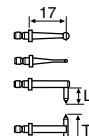
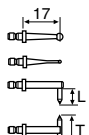
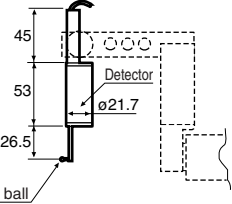
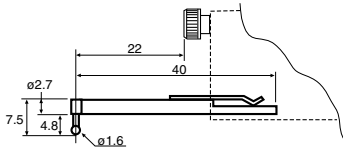
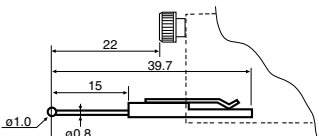
Measuring Application	Model	Outer Appearance	Specifications	Remarks
General purpose	EM46000-C300			φ3.2mm carbide ball
Small holes	EM46000-C301			φ1mm carbide ball
General purpose	EM46000-C302			φ1.6mm carbide ball Standard stylus
Grooves	EM46000-C303			R0.25mm, 55° conical sapphire L type, L = 4.5mm
Deep grooves	EM46000-C304			R0.25mm, 55° conical sapphire L type, L = 10mm
Corners	EM46000-C305			R0.25mm, 55° conical sapphire L type, L = 3.4mm/60°
Grooves	EM46000-C306			R0.25mm, 55° conical sapphire T type, L = 6.5mm
Grooves	EM46000-C307			R0.25mm, 55° conical sapphire T type, L = 10mm
Deep grooves	EM46000-C308			R0.25mm, 55° conical sapphire T type, L = 20mm
Extra small holes	EM46000-C309			φ0.5mm steel ball
Cutter mark removal	EM46000-C310			R0.25mm, sapphire L type, L = 4.8mm/R15mm

1:5 Sensitivity, L = 97mm				
Measuring Application	Model	Outer Appearance	Specifications	Remarks
General purpose	EM46100-C300			φ3.2mm carbide ball
Small holes	EM46100-C301			φ1mm carbide ball
General purpose	EM46100-C302			φ1.6mm carbide ball
Grooves	EM46100-C303			R0.25mm, 55° conical sapphire L type, L = 4.5mm
Deep grooves	EM46100-C304			R0.25mm, 55° conical sapphire L type, L = 10mm
Corners	EM46100-C305			R0.25mm, 55° conical sapphire L type, L = 3.4mm/60°
Grooves	EM46100-C306			R0.25mm, 55° conical sapphire T type, L = 6.5mm
Grooves	EM46100-C307			R0.25mm, 55° conical sapphire T type, L = 10mm
Deep grooves	EM46100-C308			R0.25mm, 55° conical sapphire T type, L = 20mm
Extra small holes	EM46100-C309			φ0.5mm steel ball
Cutter mark removal	EM46100-C310			R0.25mm, sapphire L type, L = 4.8mm/R15mm
Stylus attachment	EM-59103-C001			Attachment when 2:1 stylus for detectors E-DT-R32A / E-DT-LK-R405 / E-DT-R74A is mounted on detectors E-DT-R83A / E-DT-R95A

Standard Inventory Parts

Detectors

Applicable Models ■ R30C ■ R40C
 ■ R31C ■ R41C ■ R43C ■ R44DX/SD ■ R47A
 ■ R54DX/SD ■ R55B ■ R60A ■ R65A

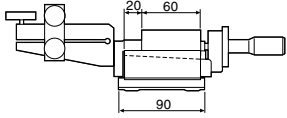
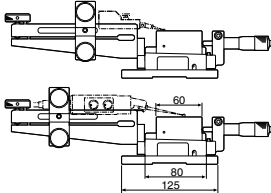
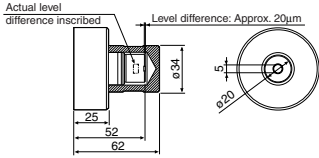
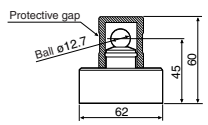
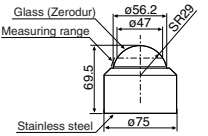

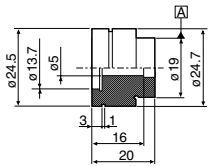
Name	Model	Outer Appearance	Specifications	Remarks
General purpose detector	E-DT-R32A		Measuring range: $\pm 400\mu\text{m}$ Measuring force: 70mN Front adjust mechanism ID/OD change function	Applicable models: R15MA, R30C, R31C, R40C, R41C, R43C Stylus: $\phi 1.6$ carbide ball (0194 002), option
General purpose detector	E-DT-LK-R405		Measuring range: $\pm 800\mu\text{m}$ Measuring force: 70mN Front adjust mechanism ID/OD change function	Applicable models: R45A, R46A, 50B, 52B Stylus: $\phi 1.6$ carbide ball (0194 002), option
General purpose detector	E-DT-LK-R74A		R32A : L=25mm R405 R74A : L=45mm	Measuring range: $\pm 800\mu\text{m}$ Measuring force: 70mN Front adjust mechanism ID/OD change function
Detector/ stylus set	E-DT-R37A			Detector: E-DT-R32A General-purpose stylus: 0194 000, $\phi 3.2$ carbide ball Small hole stylus: 0194 001, $\phi 1$ carbide ball Deep groove stylus: 0194 004, sapphire, L type, L = 10mm Groove stylus: 0194 007, sapphire, T type, L = 10mm
Detector/ stylus set	E-DT-R06B			Detector: E-DT-LK-R405 General-purpose stylus: 0194 000, $\phi 3.2$ carbide ball Small hole stylus: 0194 001, $\phi 1$ carbide ball Deep groove stylus: 0194 004, sapphire, L type, L = 10mm Groove stylus: 0194 007, sapphire, T type, L = 10mm
Detector/ stylus set	E-DT-R76A			Detector: E-DT-R74A General-purpose stylus: 0194 000, $\phi 3.2$ carbide ball Small hole stylus: 0194 001, $\phi 1$ carbide ball Deep groove stylus: 0194 004, sapphire, L type, L = 10mm Groove stylus: 0194 007, sapphire, T type, L = 10mm
Low measuring force detector	E-DT-R10A		Measuring range: $\pm 400\mu\text{m}$ Measuring force: 5mN	Applicable models: R30C, R31C, R40C, R41C, R43C, R45A, R46A Stylus: $\phi 1.6$ ruby ball (010 2505), provided
Low measuring force detector	E-DT-R87A		Measuring range: $\pm 400\mu\text{m}$ Measuring force: 5mN	Applicable models: R47A, R55A, R60A, R65A Stylus: $\phi 1.6$ ruby ball (010 2505), provided Used with E-DH-R639A detector holder
General purpose stylus	010 2505			Applicable models: E-DT-R10A, E-DT-R87A Stylus: $\phi 1.6\text{mm}$ ruby ball
Small hole stylus	010 2516			Applicable models: E-DT-R10A, E-DT-R87A Stylus: $\phi 1\text{mm}$ ruby ball

Name	Model	Outer Appearance	Specifications	Remarks
Deep hole detector	E-DT-R44A		Throat height: 199.5mm Throat depth: 144.5mm Magnification: 2000 or less	Applicable models: R45A, R46A, R60A
Deep hole detector	E-DT-R105A		Throat height: 199.5mm Throat depth: 144.5mm Magnification: 2000 or less	Applicable models: R30C, R31C, R40C, R41C, R43C, R47A, R55A, R65A
General purpose detector	E-DT-R83A		Measuring range: $\pm 1000\mu\text{m}$ Measuring force: 30 - 100 mN Front adjust mechanism ID/OD change function	Applicable models: R47A, R55A, R60A, R65A detector safety devices
General purpose detector	E-DT-R95A		Measuring range: $\pm 1000\mu\text{m}$ Measuring force: 30 - 100 mN Front adjust mechanism ID/OD change function	Applicable models: R30C, R31C, R40C, R41C, R43C, R45A, R46A
General purpose detector	E-DT-R120A		Measuring range: $\pm 1000\mu\text{m}$ Measuring force: 30 - 100 mN Front adjustment mechanism ID/OD change function	Applicable models: R55A, 60A, 65A Auto detector holder: for E-DH-669A
Auto detector holder	E-DH-R669A (E-DH-R665A)		Throat height H: 151mm Throat depth D: 70mm	Applicable models: R60A, R65A Figures in parentheses () are for the R55A/B. Applicable detector: E-DH-R120A
Fully automatic sensor For holder 1.5: 1 holder	E-DH-R690A		Throat height H: 189mm Throat depth D: 70mm Magnification: 5000 or less Stylus sensitivity: 1.5:1	Applicable models: R55A, R60A, R65A Applicable detector: E-DH-R120A Applicable detector holder: E-DH-R669A/R665A
Detector/stylus set	E-DT-R106A			Detector: E-DT-R83A EM46000-C300 general purpose stylus with $\phi 3.2$ carbide ball EM46000-C301 small hole stylus with $\phi 1$ carbide ball EM46000-C304 deep groove stylus with sapphire, L type, L10 EM46000-C307 groove stylus with sapphire, L type, L10

Standard Inventory Parts

Calibrators

Applicable Models ■ R30C ■ R40C
 ■ R31C ■ R41C ■ R43C ■ R44DX/SD ■ R47A
 ■ R54DX/SD ■ R55B ■ R60A ■ R65A

Name	Model	Outer Appearance	Specifications	Remarks
Magnification calibration set	E-MC-R04A		Max. calibration range: 400μm Min. scale interval: 0.2μm Weight: 1.7kg	Applicable models: E-DT-R32A E-DT-LK-R405A E-DT-R74A E-DT-R87A E-DT-R10A
Magnification calibration set	E-MC-R33A		Max. calibration range: 400μm Min. scale interval: 0.2μm Weight: 1.7kg	Applicable models: E-DT-R83A E-DT-R95A E-DT-R87A E-DT-R10A
Magnification calibration master	E-MC-R28A		Level difference: Approx. 20μm	Applicable models: TIMS specifications
Master ball	E-MG-R05B		Roundness: 0.05μm Material: Chrome bearing	Applicable models: All models Provided with wood box
Master ball	E-MG-R95A		Roundness: 0.035μm Diameter: ø56.2mm Material: Zerodur	Applicable models: All models Provided with wood box
Cylindrical square	E-MG-R06A		Roundness: 1μm/150mm Squareness: 2μm Size: 60×150mm	Applicable models: All models
Cylindrical square	E-MG-R08A		Roundness: 1.3μm/200mm Squareness: 2.5μm Size: ø60×200mm	Applicable models: All models
Cylindrical square	E-MG-R83A		Roundness: 2μm/400mm Squareness: 5μm Size: 92×400mm	Applicable models: All models
High accuracy cylindrical square	E-MG-R87A		Roundness: 0.28μm/100mm Squareness: 2μm Size: ø60×150mm	Applicable models: All models
Diameter master	E-MG-R88A		OD: ø24.5mm ID: ø13.7mm Actual value inscribed	Applicable models: R60A, R65A

Detector Holders

Applicable Models ■ R30C ■ R40C
 ■ R31C ■ R41C ■ R43C ■ R47A
 ■ R55B ■ R60A ■ R65A

Name	Model	Outer Appearance	Specifications	Remarks
Detector holder	E-DH-R639A (E-DH-R384A)		Throat height H : 90.5mm Throat depth D : 68mm	Applicable models: R55A, R65A Applicable detectors: E-DT-R74A, E-DT-R87A () for R60A
Plane measurement holder	E-DH-R391A			Applicable models: R60A Applicable detectors: E-DT-R74A
Detector holder	E-DH-R149A		ID measuring range: $\phi 31\text{mm}$ ~ Magnification: 2000 or less Stylus sensitivity: 1:1	Applicable models: R30C, R31C, R40C, R41C, R45A, R46A, R60A Applicable detectors: E-DT-R32A, E-DT-LK-R405, E-DT-R74A
Detector holder	E-DH-R80A		Throat height H : 128mm Throat depth D : 68 - 84mm Magnification: 20000 or less Stylus sensitivity: 2:1	Applicable models: R30C, R31C, R40C, R41C, R45A, R46A, R60A Applicable detectors: E-DT-R32A, E-DT-LK-R405, E-DT-R74A
Detector holder	E-DH-R327A		Throat height H : 128mm Throat depth D : 115mm Magnification: 10000 or less Stylus sensitivity: 2:1	Applicable models: R30C, R31C, R40C, R41C, R45A, R46A, R60A Applicable detectors: E-DT-R32A, E-DT-LK-R405, E-DT-R74A
Detector holder	E-DH-R354A		Throat height H : 165mm Throat depth D : 68 - 84mm Magnification: 5000 or less Stylus sensitivity: 3:1	Applicable models: R30C, R31C, R40C, R41C, R45A, R46A, R60A Applicable detectors: E-DT-R32A, E-DT-LK-R405, E-DT-R74A
Detector holder	E-DH-R348A		Throat height H : 165mm Throat depth D : 115mm Magnification: 2000 or less Stylus sensitivity: 3:1	Applicable models: R30C, R31C, R40C, R41C, R45A, R46A, R60A Applicable detectors: E-DT-R32A, E-DT-LK-R405, E-DT-R74A
Detector holder	E-DH-R329A		Throat height H : 300mm (ID $\phi 31\text{mm}$ or more) Throat depth D : 60mm ID meas. range: $\phi 20 - \phi 300\text{mm}$ Stylus sensitivity: 1:1 - 3:1	Applicable models: R30C, R31C, R40C, R41C, R45A, R46A, R60A Applicable detectors: E-DT-R32A, E-DT-LK-R405, E-DT-R74A
Detector holder	E-DH-R317A		Throat height H : 170mm Throat depth D : 115mm ID meas. range: $\phi 20 - \phi 300\text{mm}$ Magnification: 2000 or less Stylus sensitivity: 1:1 - 3:1	Applicable models: R30C, R31C, R40C, R41C, R45A, R46A, R60A Applicable detectors: E-DT-R32A, E-DT-LK-R405, E-DT-R74A
Detector holder	E-DH-R636A (E-DH-R603A)		Throat height H : 154mm Throat depth D : 68mm	Applicable models: R55A, R65A Applicable detectors: E-DT-R83A, E-DT-R95A () for R60A
Detector holder	E-DH-R613A		Throat height H : 192mm Throat depth D : 68mm Magnification: 5000 or less Stylus sensitivity: 1.5:1	Applicable models: R55A, R60A, R65A Applicable detectors: E-DT-R83A, E-DT-R95A
Plane measurement holder	E-DH-R614A			Applicable models: R55A, R60A, R65A Applicable detectors: E-DT-R83A, E-DT-R95A

Standard Inventory Parts

Adjustment Devices

Applicable Models ■ R30C ■ R40C
 ■ R31C ■ R41C ■ R43C ■ R44DX/SD ■ R47A
 ■ R54DX/SD ■ R55B ■ R60A ■ R65A

Name	Model	Outer Appearance	Specifications	Remarks
Scroll chuck	E-WJ-R01C		Securing range: ID $\phi 2 - 79\text{mm}$ OD $\phi 20 - 90\text{mm}$ OD: $\phi 118\text{mm}$ Height: 41mm Weight: 1kg	Applicable models: All models
Scroll chuck	E-WJ-R104C		Securing range: ID $\phi 45 - 77\text{mm}$ OD $\phi 80 - 112\text{mm}$ OD: $\phi 240\text{mm}$ Height: 82mm Weight: 14kg	Applicable models: All models
Pin vice set	E-WJ-R07A		Chuck range PV-R01A: $\phi 0 - \phi 0.9\text{mm}$ PV-R02A: $\phi 0.8 - \phi 1.3\text{mm}$ PV-R03A: $\phi 1.3 - \phi 1.8\text{mm}$ PV-R04A: $\phi 1.8 - \phi 2.2\text{mm}$	Applicable models: All models
Spacer for scroll chuck	E-WJ-R19A		Flatness: 0.01mm Weight: 4.1kg	Applicable models: All models
Rotation spacer for scroll chuck	E-WJ-R20A		Weight: 3kg	Applicable models: All models
$\phi 400$ sub table	E-AT-R34A		Flatness: 0.01mm Weight: 14kg	Applicable models: R65A, R60A, R55A
$\phi 400$ sub table	E-AT-R77A		Flatness: 0.01mm Weight: 8kg	Applicable models: R30C, R31C R40C, R41C R43C R47A

Peripheral Devices

Applicable Models ■ R30C ■ R40C
 ■ R31C ■ R41C ■ R43C ■ R44DX/SD ■ R47A
 ■ R54DX/SD ■ R55B ■ R60A ■ R65A

Name	Model	Outer Appearance	Specifications	Remarks
Vibration isolation platform	E-DK-R56A			Applicable models: R30C, R31C, R40C, R41C, R43C Dimensions: 570 ^W ×490 ^D ×662 ^H mm
Desktop anti-vibration table	E-VS-S13A			Dimensions: 510 ^W ×430 ^D ×643 ^H mm Weight: 22kg for E-VS-S57A/B, E-VS-S58A
Desktop anti-vibration table	E-VS-S57B		Anti-vibration table: Diaphragm air spring Natural frequency: 2.5 - 3.5 Hz Load: 130 kg	Dimensions: 600 ^W ×530 ^D ×60 ^H mm Air source: 350 - 700 kPa Weight: 25kg
Desktop anti-vibration table	E-VS-S58A		Anti-vibration table: Diaphragm air spring Natural frequency: 2.5 - 3.5 Hz Load: 130 kg	Dimensions: 600 ^W ×530 ^D ×60 ^H mm Air source: Pump Weight: 25kg
Anti-vibration table (H:700)	E-VS-R16A		Anti-vibration table: Diaphragm air spring Natural frequency: V: 2Hz, H: 2.2 Hz Load: 250 kg Air source: 350 - 700 kPa	Applicable models: R45A, R46A Dimensions: 980 ^W ×780 ^D ×700 ^H mm 760 ^{W1} ×560 ^{D1} mm Weight: 170kg
Anti-vibration table (H:700)	E-VS-S21A		Anti-vibration table: Diaphragm air spring Natural frequency: V: 1.6Hz, H: 2 Hz Load: 550 kg Air source: 350 - 700 kPa	Applicable models: R55A, R60A Dimensions: 1100 ^W ×850 ^D ×700 ^H mm 850 ^{W1} ×560 ^{D1} mm Weight: 340kg
Anti-vibration table (H:500)	E-VS-R20A		Anti-vibration table: Diaphragm air spring Natural frequency: V: 1.5Hz, H: 2 Hz Load: 550 kg Air source: 350 - 700 kPa	Applicable models: R55A, R60A Dimensions: 1100 ^W ×850 ^D ×500 ^H mm 850 ^{W1} ×560 ^{D1} mm Weight: 340kg
Platform	E-DK-R16A			Applicable models: R45A, R46A Dimensions: 700 ^W ×600 ^D ×700 ^H mm
Desk	E-DK-R19A			Applicable models: All models Dimensions: 1000 ^W ×600 ^D ×700 ^H mm
Desk	E-DK-R34A			Applicable models: All models Dimensions: 400 ^W ×700 ^D ×700 ^H mm
System desk	E-DK-S24A			Dimensions: 800 ^W ×800 ^D ×1070~1370 ^H mm Weight: 42kg
System desk	E-DK-S25A			Dimensions: 1200 ^W ×800 ^D ×1070~1370 ^H mm
Power transformer box	E-TF-R25A		Input: 90V - 240V Output: 100V Capacity: 2.1 KVA	Specify the input voltage. Dimensions: 300 ^W ×350 ^D ×350 ^H mm Weight: 45kg

Standard Inventory Parts

Name	Model	Outer Appearance	Specifications	Remarks
Water remover	L-WF-R08A			Applicable models: All models Dimensions: 100 ^W × 80 ^D × 280 ^H mm
Oil remove	L-WF-R07A		Filtration: 0.1 μm	Applicable models: All models Dimensions: 100 ^W × 190 ^H mm Weight: 1.7kg
Air purifier set	L-WF-R11A		L-WF-R08A water remover L-WF-R07A oil remover Mounting plate	Applicable models: All Dimensions: 320 ^W × 170 ^D × 378.5 ^H mm
Freezer type air dryer	L-WF-R03B		Max. flow: 100 ℓ /min Power consumption: 165VA Weight: 15kg	Applicable models: All models (table rotating type) Dimensions: 200 ^W × 350 ^D × 400 ^H mm

Consumables

Name	Model	Applicable system	Remarks
Round recording paper	E-CH-R04A	10A, 20A, 50A/B, 52A/B, 70A/B, 71A/B	Thermal recording paper, 100 sheets/box
Round recording paper	Polar A4 trace sepia	6A, 50A/B-400, 70A/B, 71A/B-400 amplifier	Piston type, 100 sheets/box
Direct-writing recording paper	E-CH-R05A	50B, 52B, 70B, 71B	Thermal recording paper, 10 rolls/box Recording width: 40mm
Direct-writing recording paper	I-250-125	6A, 50A/B-400, 70A/B, 71A/B-400 amplifier	Piston type, 10 rolls/box
Printing paper	E-CH-R06A	30A/B/C, 40A/C, 45A	Thermal recording paper, 10 rolls/box Recording width: 104mm
Printing paper	E-CH-S05A	50B, 52B, 70B, 71B-300 amplifier	Thermal recording paper, 10 rolls/box Recording width: 40mm
Printing paper	E-CH-S03A	50A/B, 52A/B, 70A/B, 71A/B-500 amplifier	Thermal recording paper, 10 rolls/box Recording width: 120mm
IC pen	KT102	10A, 20A, 50A/B, 52A/B, 70A/B	
Polar sign pen (Red)	CP-192	6A, 50A/B-400, 70A/B, 71A/B-400 amplifier	Piston type
Rectilinear sign pen (Red)	CP-092	6A, 50A/B-400, 70A/B, 71A/B-400 amplifier	Piston type
Filter element	63092	15MA, 30C, 31C, 40C, 41C, 43C, 34A, 46A, 47A, 55A, 60A, 65A	
Micro filter element	630611	15MA, 30C, 31C, 40C, 41C, 43C, 34A, 46A, 47A, 55A, 60A, 65A	