

Thermo Scientific iCAP 7400 ICP-OES

Product Specifications

iCAP 7400 ICP-OES	
Dimensions (mm)	840 W x 750 D x 590 H
Peristaltic pump	4-channel, mini peristaltic pump Speed: 0 – 125 rpm
Standard sample handling kit	Concentric glass nebulizer Glass cyclonic spray chamber Semi-demountable EMT torch 1.5 mm bore quartz center tube (Radial) 2 mm bore quartz center tube (Duo)
Plasma gas	Fixed, 12 L/min
Auxiliary gas	Fixed, 4 flows 0, 0.5, 1.0 and 1.5 L/min
Nebulizer gas	Mass flow control, 0 – 1.5 L/min
Plasma viewing	Duo or Radial
RF source	27.12 MHz solid state 750 – 1500 W output power (Duo restricted to 1350 W)
Spectrometer	Simultaneous echelle type 52.91 grooves/mm ruled grating 383 mm effective focal length 9.5" UV fused silica cross dispersion prism
Spectral bandpass	7 pm at 200 nm
Wavelength range	166 – 847 nm
Detector	High performance solid-state CID86 chip
Productivity features	<ul style="list-style-type: none"> Intelligent introduction and rinse Speed data acquisition mode
Data acquisition mode	<ul style="list-style-type: none"> Precision mode Speed mode
Auto-optimization features	Get Ready: automatic performance checks
Fullframe image capability	Yes

Ordering information

Required items

iCAP 7400 ICP-OES Duo	8423 200 74081 or 8423 200 74181 (N. America)
iCAP 7400 ICP-OES Radial	8423 200 74041 or 8423 200 74141 (N. America)
TF900 Turbine Pump Chiller (230 V/50 Hz)	101163010000001 (or user supplied equivalent)
TF900 Turbine Pump Chiller (115 V/60 Hz)	101103010000003 (or user supplied equivalent)
TF900 Turbine Pump Chiller (208 V/60 Hz)	101123010000000 (or user supplied equivalent)
Data station (110 or 220 V)	8423 140 50004 (or user supplied equivalent)

Optional accessories

Autosampler CETAC ASX-260 (up to 180 Samples)	8423 470 04002
CETAC ASX-520 (up to 360 samples)	8423 470 04001
CETAC XLR8 (up to 720 samples)	8423 470 04003
CETAC ASX-1400 Stirring autosampler	8423 470 04004
CETAC APS-1650 Automated Prep Station	8423 470 04005
Sample handling kit Organics (Radial/Duo)	8423 120 52311/52261
Volatile organics (Radial/Duo)	8423 120 52301/52251
HF resistant (Radial/Duo)	8423 120 52291/52241
High solids (Radial/Duo)	8423 120 52281/52231
Standard aqueous (Radial/Duo)	8423 120 52271/52221
Duo Ceramic D Torch kit	8423 120 52202
Radial ceramic D Torch kit	8423 120 52201
Argon humidifier	8423 120 52081
Integrated hydride generation accessory	8423 180 50101

