



CRYSTA-Apex V163016

Item number: 191-853H

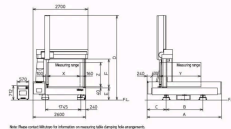
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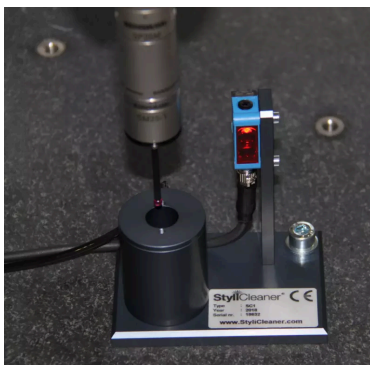
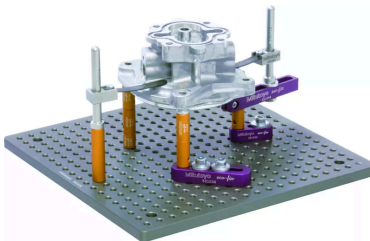
Activity	Phase	SPSIS	SPS1P12 ^a	SPS1P ^a	SPS1 ^a	SPS2
Field configuration	Phase	SPS1	SPS1P12	SPS1P	SPS1	SPS2
	Start (days)	at t=0	at t=0	at t=0	at t=0	at t=0
Small mesocosm (1000 l)	Temperature treatment (°C)	13 ± 0.5, 18.5 ± 0.5, 23 ± 0.5, 28 ± 0.5, 33 ± 0.5, 38 ± 0.5, 43 ± 0.5, 48 ± 0.5, 53 ± 0.5, 58 ± 0.5, 63 ± 0.5, 68 ± 0.5, 73 ± 0.5, 78 ± 0.5, 83 ± 0.5, 88 ± 0.5, 93 ± 0.5, 98 ± 0.5, 103 ± 0.5, 108 ± 0.5, 113 ± 0.5, 118 ± 0.5, 123 ± 0.5, 128 ± 0.5, 133 ± 0.5, 138 ± 0.5, 143 ± 0.5, 148 ± 0.5, 153 ± 0.5, 158 ± 0.5, 163 ± 0.5, 168 ± 0.5, 173 ± 0.5, 178 ± 0.5, 183 ± 0.5, 188 ± 0.5, 193 ± 0.5, 198 ± 0.5, 203 ± 0.5, 208 ± 0.5, 213 ± 0.5, 218 ± 0.5, 223 ± 0.5, 228 ± 0.5, 233 ± 0.5, 238 ± 0.5, 243 ± 0.5, 248 ± 0.5, 253 ± 0.5, 258 ± 0.5, 263 ± 0.5, 268 ± 0.5, 273 ± 0.5, 278 ± 0.5, 283 ± 0.5, 288 ± 0.5, 293 ± 0.5, 298 ± 0.5, 303 ± 0.5, 308 ± 0.5, 313 ± 0.5, 318 ± 0.5, 323 ± 0.5, 328 ± 0.5, 333 ± 0.5, 338 ± 0.5, 343 ± 0.5, 348 ± 0.5, 353 ± 0.5, 358 ± 0.5, 363 ± 0.5, 368 ± 0.5, 373 ± 0.5, 378 ± 0.5, 383 ± 0.5, 388 ± 0.5, 393 ± 0.5, 398 ± 0.5, 403 ± 0.5, 408 ± 0.5, 413 ± 0.5, 418 ± 0.5, 423 ± 0.5, 428 ± 0.5, 433 ± 0.5, 438 ± 0.5, 443 ± 0.5, 448 ± 0.5, 453 ± 0.5, 458 ± 0.5, 463 ± 0.5, 468 ± 0.5, 473 ± 0.5, 478 ± 0.5, 483 ± 0.5, 488 ± 0.5, 493 ± 0.5, 498 ± 0.5, 503 ± 0.5, 508 ± 0.5, 513 ± 0.5, 518 ± 0.5, 523 ± 0.5, 528 ± 0.5, 533 ± 0.5, 538 ± 0.5, 543 ± 0.5, 548 ± 0.5, 553 ± 0.5, 558 ± 0.5, 563 ± 0.5, 568 ± 0.5, 573 ± 0.5, 578 ± 0.5, 583 ± 0.5, 588 ± 0.5, 593 ± 0.5, 598 ± 0.5, 603 ± 0.5, 608 ± 0.5, 613 ± 0.5, 618 ± 0.5, 623 ± 0.5, 628 ± 0.5, 633 ± 0.5, 638 ± 0.5, 643 ± 0.5, 648 ± 0.5, 653 ± 0.5, 658 ± 0.5, 663 ± 0.5, 668 ± 0.5, 673 ± 0.5, 678 ± 0.5, 683 ± 0.5, 688 ± 0.5, 693 ± 0.5, 698 ± 0.5, 703 ± 0.5, 708 ± 0.5, 713 ± 0.5, 718 ± 0.5, 723 ± 0.5, 728 ± 0.5, 733 ± 0.5, 738 ± 0.5, 743 ± 0.5, 748 ± 0.5, 753 ± 0.5, 758 ± 0.5, 763 ± 0.5, 768 ± 0.5, 773 ± 0.5, 778 ± 0.5, 783 ± 0.5, 788 ± 0.5, 793 ± 0.5, 798 ± 0.5, 803 ± 0.5, 808 ± 0.5, 813 ± 0.5, 818 ± 0.5, 823 ± 0.5, 828 ± 0.5, 833 ± 0.5, 838 ± 0.5, 843 ± 0.5, 848 ± 0.5, 853 ± 0.5, 858 ± 0.5, 863 ± 0.5, 868 ± 0.5, 873 ± 0.5, 878 ± 0.5, 883 ± 0.5, 888 ± 0.5, 893 ± 0.5, 898 ± 0.5, 903 ± 0.5, 908 ± 0.5, 913 ± 0.5, 918 ± 0.5, 923 ± 0.5, 928 ± 0.5, 933 ± 0.5, 938 ± 0.5, 943 ± 0.5, 948 ± 0.5, 953 ± 0.5, 958 ± 0.5, 963 ± 0.5, 968 ± 0.5, 973 ± 0.5, 978 ± 0.5, 983 ± 0.5, 988 ± 0.5, 993 ± 0.5, 998 ± 0.5, 1003 ± 0.5, 1008 ± 0.5, 1013 ± 0.5, 1018 ± 0.5, 1023 ± 0.5, 1028 ± 0.5, 1033 ± 0.5, 1038 ± 0.5, 1043 ± 0.5, 1048 ± 0.5, 1053 ± 0.5, 1058 ± 0.5, 1063 ± 0.5, 1068 ± 0.5, 1073 ± 0.5, 1078 ± 0.5, 1083 ± 0.5, 1088 ± 0.5, 1093 ± 0.5, 1098 ± 0.5, 1103 ± 0.5, 1108 ± 0.5, 1113 ± 0.5, 1118 ± 0.5, 1123 ± 0.5, 1128 ± 0.5, 1133 ± 0.5, 1138 ± 0.5, 1143 ± 0.5, 1148 ± 0.5, 1153 ± 0.5, 1158 ± 0.5, 1163 ± 0.5, 1168 ± 0.5, 1173 ± 0.5, 1178 ± 0.5, 1183 ± 0.5, 1188 ± 0.5, 1193 ± 0.5, 1198 ± 0.5, 1203 ± 0.5, 1208 ± 0.5, 1213 ± 0.5, 1218 ± 0.5, 1223 ± 0.5, 1228 ± 0.5, 1233 ± 0.5, 1238 ± 0.5, 1243 ± 0.5, 1248 ± 0.5, 1253 ± 0.5, 1258 ± 0.5, 1263 ± 0.5, 1268 ± 0.5, 1273 ± 0.5, 1278 ± 0.5, 1283 ± 0.5, 1288 ± 0.5, 1293 ± 0.5, 1298 ± 0.5, 1303 ± 0.5, 1308 ± 0.5, 1313 ± 0.5, 1318 ± 0.5, 1323 ± 0.5, 1328 ± 0.5, 1333 ± 0.5, 1338 ± 0.5, 1343 ± 0.5, 1348 ± 0.5, 1353 ± 0.5, 1358 ± 0.5, 1363 ± 0.5, 1368 ± 0.5, 1373 ± 0.5, 1378 ± 0.5, 1383 ± 0.5, 1388 ± 0.5, 1393 ± 0.5, 1398 ± 0.5, 1403 ± 0.5, 1408 ± 0.5, 1413 ± 0.5, 1418 ± 0.5, 1423 ± 0.5, 1428 ± 0.5, 1433 ± 0.5, 1438 ± 0.5, 1443 ± 0.5, 1448 ± 0.5, 1453 ± 0.5, 1458 ± 0.5, 1463 ± 0.5, 1468 ± 0.5, 1473 ± 0.5, 1478 ± 0.5, 1483 ± 0.5, 1488 ± 0.5, 1493 ± 0.5, 1498 ± 0.5, 1503 ± 0.5, 1508 ± 0.5, 1513 ± 0.5, 1518 ± 0.5, 1523 ± 0.5, 1528 ± 0.5, 1533 ± 0.5, 1538 ± 0.5, 1543 ± 0.5, 1548 ± 0.5, 1553 ± 0.5, 1558 ± 0.5, 1563 ± 0.5, 1568 ± 0.5, 1573 ± 0.5, 1578 ± 0.5, 1583 ± 0.5, 1588 ± 0.5, 1593 ± 0.5, 1598 ± 0.5, 1603 ± 0.5, 1608 ± 0.5, 1613 ± 0.5, 1618 ± 0.5, 1623 ± 0.5, 1628 ± 0.5, 1633 ± 0.5, 1638 ± 0.5, 1643 ± 0.5, 1648 ± 0.5, 1653 ± 0.5, 1658 ± 0.5, 1663 ± 0.5, 1668 ± 0.5, 1673 ± 0.5, 1678 ± 0.5, 1683 ± 0.5, 1688 ± 0.5, 1693 ± 0.5, 1698 ± 0.5, 1703 ± 0.5, 1708 ± 0.5, 1713 ± 0.5, 1718 ± 0.5, 1723 ± 0.5, 1728 ± 0.5, 1733 ± 0.5, 1738 ± 0.5, 1743 ± 0.5, 1748 ± 0.5, 1753 ± 0.5, 1758 ± 0.5, 1763 ± 0.5, 1768 ± 0.5, 1773 ± 0.5, 1778 ± 0.5, 1783 ± 0.5, 1788 ± 0.5, 1793 ± 0.5, 1798 ± 0.5, 1803 ± 0.5, 1808 ± 0.5, 1813 ± 0.5, 1818 ± 0.5, 1823 ± 0.5, 1828 ± 0.5, 1833 ± 0.5, 1838 ± 0.5, 1843 ± 0.5, 1848 ± 0.5, 1853 ± 0.5, 18				
Large mesocosm (10000 l)	Temperature treatment (°C)	13 ± 0.5, 18.5 ± 0.5, 23 ± 0.5, 28 ± 0.5, 33 ± 0.5, 38 ± 0.5, 43 ± 0.5, 48 ± 0.5, 53 ± 0.5, 58 ± 0.5, 63 ± 0.5, 68 ± 0.5, 73 ± 0.5, 78 ± 0.5, 83 ± 0.5, 88 ± 0.5, 93 ± 0.5, 98 ± 0.5, 103 ± 0.5, 108 ± 0.5, 113 ± 0.5, 118 ± 0.5, 123 ± 0.5, 128 ± 0.5, 133 ± 0.5, 138 ± 0.5, 143 ± 0.5, 148 ± 0.5, 153 ± 0.5, 158 ± 0.5, 163 ± 0.5, 168 ± 0.5, 173 ± 0.5, 178 ± 0.5, 183 ± 0.5, 188 ± 0.5, 193 ± 0.5, 198 ± 0.5, 203 ± 0.5, 208 ± 0.5, 213 ± 0.5, 218 ± 0.5, 223 ± 0.5, 228 ± 0.5, 233 ± 0.5, 238 ± 0.5, 243 ± 0.5, 248 ± 0.5, 253 ± 0.5, 258 ± 0.5, 263 ± 0.5, 268 ± 0.5, 273 ± 0.5, 278 ± 0.5, 283 ± 0.5, 288 ± 0.5, 293 ± 0.5, 298 ± 0.5, 303 ± 0.5, 308 ± 0.5, 313 ± 0.5, 318 ± 0.5, 323 ± 0.5, 328 ± 0.5, 333 ± 0.5, 338 ± 0.5, 343 ± 0.5, 348 ± 0.5, 353 ± 0.5, 358 ± 0.5, 363 ± 0.5, 368 ± 0.5, 373 ± 0.5, 378 ± 0.5, 383 ± 0.5, 388 ± 0.5, 393 ± 0.5, 398 ± 0.5, 403 ± 0.5, 408 ± 0.5, 413 ± 0.5, 418 ± 0.5, 423 ± 0.5, 428 ± 0.5, 433 ± 0.5, 438 ± 0.5, 443 ± 0.5, 448 ± 0.5, 453 ± 0.5, 458 ± 0.5, 463 ± 0.5, 468 ± 0.5, 473 ± 0.5, 478 ± 0.5, 483 ± 0.5, 488 ± 0.5, 493 ± 0.5, 498 ± 0.5, 503 ± 0.5, 508 ± 0.5, 513 ± 0.5, 518 ± 0.5, 523 ± 0.5, 528 ± 0.5, 533 ± 0.5, 538 ± 0.5, 543 ± 0.5, 548 ± 0.5, 553 ± 0.5, 558 ± 0.5, 563 ± 0.5, 568 ± 0.5, 573 ± 0.5, 578 ± 0.5, 583 ± 0.5, 588 ± 0.5, 593 ± 0.5, 598 ± 0.5, 603 ± 0.5, 608 ± 0.5, 613 ± 0.5, 618 ± 0.5, 623 ± 0.5, 628 ± 0.5, 633 ± 0.5, 638 ± 0.5, 643 ± 0.5, 648 ± 0.5, 653 ± 0.5, 658 ± 0.5, 663 ± 0.5, 668 ± 0.5, 673 ± 0.5, 678 ± 0.5, 683 ± 0.5, 688 ± 0.5, 693 ± 0.5, 698 ± 0.5, 703 ± 0.5, 708 ± 0.5, 713 ± 0.5, 718 ± 0.5, 723 ± 0.5, 728 ± 0.5, 733 ± 0.5, 738 ± 0.5, 743 ± 0.5, 748 ± 0.5, 753 ± 0.5, 758 ± 0.5, 763 ± 0.5, 768 ± 0.5, 773 ± 0.5, 778 ± 0.5, 783 ± 0.5, 788 ± 0.5, 793 ± 0.5, 798 ± 0.5, 803 ± 0.5, 808 ± 0.5, 813 ± 0.5, 818 ± 0.5, 823 ± 0.5, 828 ± 0.5, 833 ± 0.5, 838 ± 0.5, 843 ± 0.5, 848 ± 0.5, 853 ± 0.5, 858 ± 0.5, 863 ± 0.5, 868 ± 0.5, 873 ± 0.5, 878 ± 0.5, 883 ± 0.5, 888 ± 0.5, 893 ± 0.5, 898 ± 0.5, 903 ± 0.5, 908 ± 0.5, 913 ± 0.5, 918 ± 0.5, 923 ± 0.5, 928 ± 0.5, 933 ± 0.5, 938 ± 0.5, 943 ± 0.5, 948 ± 0.5, 953 ± 0.5, 958 ± 0.5, 963 ± 0.5, 968 ± 0.5, 973 ± 0.5, 978 ± 0.5, 983 ± 0.5, 988 ± 0.5, 993 ± 0.5, 998 ± 0.5, 1003 ± 0.5, 1008 ± 0.5, 1013 ± 0.5, 1018 ± 0.5, 1023 ± 0.5, 1028 ± 0.5, 1033 ± 0.5, 1038 ± 0.5, 1043 ± 0.5, 1048 ± 0.5, 1053 ± 0.5, 1058 ± 0.5, 1063 ± 0.5, 1068 ± 0.5, 1073 ± 0.5, 1078 ± 0.5, 1083 ± 0.5, 1088 ± 0.5, 1093 ± 0.5, 1098 ± 0.5, 1103 ± 0.5, 1108 ± 0.5, 1113 ± 0.5, 1118 ± 0.5, 1123 ± 0.5, 1128 ± 0.5, 1133 ± 0.5, 1138 ± 0.5, 1143 ± 0.5, 1148 ± 0.5, 1153 ± 0.5, 1158 ± 0.5, 1163 ± 0.5, 1168 ± 0.5, 1173 ± 0.5, 1178 ± 0.5, 1183 ± 0.5, 1188 ± 0.5, 1193 ± 0.5, 1198 ± 0.5, 1203 ± 0.5, 1208 ± 0.5, 1213 ± 0.5, 1218 ± 0.5, 1223 ± 0.5, 1228 ± 0.5, 1233 ± 0.5, 1238 ± 0.5, 1243 ± 0.5, 1248 ± 0.5, 1253 ± 0.5, 1258 ± 0.5, 1263 ± 0.5, 1268 ± 0.5, 1273 ± 0.5, 1278 ± 0.5, 1283 ± 0.5, 1288 ± 0.5, 1293 ± 0.5, 1298 ± 0.5, 1303 ± 0.5, 1308 ± 0.5, 1313 ± 0.5, 1318 ± 0.5, 1323 ± 0.5, 1328 ± 0.5, 1333 ± 0.5, 1338 ± 0.5, 1343 ± 0.5, 1348 ± 0.5, 1353 ± 0.5, 1358 ± 0.5, 1363 ± 0.5, 1368 ± 0.5, 1373 ± 0.5, 1378 ± 0.5, 1383 ± 0.5, 1388 ± 0.5, 1393 ± 0.5, 1398 ± 0.5, 1403 ± 0.5, 1408 ± 0.5, 1413 ± 0.5, 1418 ± 0.5, 1423 ± 0.5, 1428 ± 0.5, 1433 ± 0.5, 1438 ± 0.5, 1443 ± 0.5, 1448 ± 0.5, 1453 ± 0.5, 1458 ± 0.5, 1463 ± 0.5, 1468 ± 0.5, 1473 ± 0.5, 1478 ± 0.5, 1483 ± 0.5, 1488 ± 0.5, 1493 ± 0.5, 1498 ± 0.5, 1503 ± 0.5, 1508 ± 0.5, 1513 ± 0.5, 1518 ± 0.5, 1523 ± 0.5, 1528 ± 0.5, 1533 ± 0.5, 1538 ± 0.5, 1543 ± 0.5, 1548 ± 0.5, 1553 ± 0.5, 1558 ± 0.5, 1563 ± 0.5, 1568 ± 0.5, 1573 ± 0.5, 1578 ± 0.5, 1583 ± 0.5, 1588 ± 0.5, 1593 ± 0.5, 1598 ± 0.5, 1603 ± 0.5, 1608 ± 0.5, 1613 ± 0.5, 1618 ± 0.5, 1623 ± 0.5, 1628 ± 0.5, 1633 ± 0.5, 1638 ± 0.5, 1643 ± 0.5, 1648 ± 0.5, 1653 ± 0.5, 1658 ± 0.5, 1663 ± 0.5, 1668 ± 0.5, 1673 ± 0.5, 1678 ± 0.5, 1683 ± 0.5, 1688 ± 0.5, 1693 ± 0.5, 1698 ± 0.5, 1703 ± 0.5, 1708 ± 0.5, 1713 ± 0.5, 1718 ± 0.5, 1723 ± 0.5, 1728 ± 0.5, 1733 ± 0.5, 1738 ± 0.5, 1743 ± 0.5, 1748 ± 0.5, 1753 ± 0.5, 1758 ± 0.5, 1763 ± 0.5, 1768 ± 0.5, 1773 ± 0.5, 1778 ± 0.5, 1783 ± 0.5, 1788 ± 0.5, 1793 ± 0.5, 1798 ± 0.5, 1803 ± 0.5, 1808 ± 0.5, 1813 ± 0.5, 1818 ± 0.5, 1823 ± 0.5, 1828 ± 0.5, 1833 ± 0.5, 1838 ± 0.5, 1843 ± 0.5, 1848 ± 0.5, 1853 ± 0.5, 18				
Large mesocosm (10000 l)	Temperature treatment (°C)	13 ± 0.5, 18.5 ± 0.5, 23 ± 0.5, 28 ± 0.5, 33 ± 0.5, 38 ± 0.5, 43 ± 0.5, 48 ± 0.5, 53 ± 0.5, 58 ± 0.5, 63 ± 0.5, 68 ± 0.5, 73 ± 0.5, 78 ± 0.5, 83 ± 0.5, 88 ± 0.5, 93 ± 0.5, 98 ± 0.5, 103 ± 0.5, 108 ± 0.5, 113 ± 0.5, 118 ± 0.5, 123 ± 0.5, 128 ± 0.5, 133 ± 0.5, 138 ± 0.5, 143 ± 0.5, 148 ± 0.5, 153 ± 0.5, 158 ± 0.5, 163 ± 0.5, 168 ± 0.5, 173 ± 0.5, 178 ± 0.5, 183 ± 0.5, 188 ± 0.5, 193 ± 0.5, 198 ± 0.5, 203 ± 0.5, 208 ± 0.5, 213 ± 0.5, 218 ± 0.5, 223 ± 0.5, 228 ± 0.5, 233 ± 0.5, 238 ± 0.5, 243 ± 0.5, 248 ± 0.5, 253 ± 0.5, 258 ± 0.5, 263 ± 0.5, 268 ± 0.5, 273 ± 0.5, 278 ± 0.5, 283 ± 0.5, 288 ± 0.5, 293 ± 0.5, 298 ± 0.5, 303 ± 0.5, 308 ± 0.5, 313 ± 0.5, 318 ± 0.5, 323 ± 0.5, 328 ± 0.5, 333 ± 0.5, 338 ± 0.5, 343 ± 0.5, 348 ± 0.5, 353 ± 0.5, 358 ± 0.5, 363 ± 0.5, 368 ± 0.5, 373 ± 0.5, 378 ± 0.5, 383 ± 0.5, 388 ± 0.5, 393 ± 0.5, 398 ± 0.5, 403 ± 0.5, 408 ± 0.5, 413 ± 0.5, 418 ± 0.5, 423 ± 0.5, 428 ± 0.5, 433 ± 0.5, 438 ± 0.5, 443 ± 0.5, 448 ± 0.5, 453 ± 0.5, 458 ± 0.5, 463 ± 0.5, 468 ± 0.5, 473 ± 0.5, 478 ± 0.5, 483 ± 0.5, 488 ± 0.5, 493 ± 0.5, 498 ± 0.5, 503 ± 0.5, 508 ± 0.5, 513 ± 0.5, 518 ± 0.5, 523 ± 0.5, 528 ± 0.5, 533 ± 0.5, 538 ± 0.5, 543 ± 0.5, 548 ± 0.5, 553 ± 0.5, 558 ± 0.5, 563 ± 0.5, 568 ± 0.5, 573 ± 0.5, 578 ± 0.5, 583 ± 0.5, 588 ± 0.5, 593 ± 0.5, 598 ± 0.5, 603 ± 0.5, 608 ± 0.5, 613 ± 0.5, 618 ± 0.5, 623 ± 0.5, 628 ± 0.5, 633 ± 0.5, 638 ± 0.5, 643 ± 0.5, 648 ± 0.5, 653 ± 0.5, 658 ± 0.5, 663 ± 0.5, 668 ± 0.5, 673 ± 0.5, 678 ± 0.5, 683 ± 0.5, 688 ± 0.5, 693 ± 0.5, 698 ± 0.5, 703 ± 0.5, 708 ± 0.5, 713 ± 0.5, 718 ± 0.5, 723 ± 0.5, 728 ± 0.5, 733 ± 0.5, 738 ± 0.5, 743 ± 0.5, 748 ± 0.5, 753 ± 0.5, 758 ± 0.5, 763 ± 0.5, 768 ± 0.5, 773 ± 0.5, 778 ± 0.5, 783 ± 0.5, 788 ± 0.5, 793 ± 0.5, 798 ± 0.5, 803 ± 0.5, 808 ± 0.5, 813 ± 0.5, 818 ± 0.5, 823 ± 0.5, 828 ± 0.5, 833 ± 0.5, 838 ± 0.5, 843 ± 0.5, 848 ± 0.5, 853 ± 0.5, 858 ± 0.5, 863 ± 0.5, 868 ± 0.5, 873 ± 0.5, 878 ± 0.5, 883 ± 0.5, 888 ± 0.5, 893 ± 0.5, 898 ± 0.5, 903 ± 0.5, 908 ± 0.5, 913 ± 0.5, 918 ± 0.5, 923 ± 0.5, 928 ± 0.5, 933 ± 0.5, 938 ± 0.5, 943 ± 0.5, 948 ± 0.5, 953 ± 0.5, 958 ± 0.5, 963 ± 0.5, 968 ± 0.5, 973 ± 0.5, 978 ± 0.5, 983 ± 0.5, 988 ± 0.5, 993 ± 0.5, 998 ± 0.5, 1003 ± 0.5, 1008 ± 0.5, 1013 ± 0.5, 1018 ± 0.5, 1023 ± 0.5, 1028 ± 0.5, 1033 ± 0.5, 1038 ± 0.5, 1043 ± 0.5, 1048 ± 0.5, 1053 ± 0.5, 1058 ± 0.5, 1063 ± 0.5, 1068 ± 0.5, 1073 ± 0.5, 1078 ± 0.5, 1083 ± 0.5, 1088 ± 0.5, 1093 ± 0.5, 1098 ± 0.5, 1103 ± 0.5, 1108 ± 0.5, 1113 ± 0.5, 1118 ± 0.5, 1123 ± 0.5, 1128 ± 0.5, 1133 ± 0.5, 1138 ± 0.5, 1143 ± 0.5, 1148 ± 0.5, 1153 ± 0.5, 1158 ± 0.5, 1163 ± 0.5, 1168 ± 0.5, 1173 ± 0.5, 1178 ± 0.5, 1183 ± 0.5, 1188 ± 0.5, 1193 ± 0.5, 1198 ± 0.5, 1203 ± 0.5, 1208 ± 0.5, 1213 ± 0.5, 1218 ± 0.5, 1223 ± 0.5, 1228 ± 0.5, 1233 ± 0.5, 1238 ± 0.5, 1243 ± 0.5, 1248 ± 0.5, 1253 ± 0.5, 1258 ± 0.5, 1263 ± 0.5, 1268 ± 0.5, 1273 ± 0.5, 1278 ± 0.5, 1283 ± 0.5, 1288 ± 0.5, 1293 ± 0.5, 1298 ± 0.5, 1303 ± 0.5, 1308 ± 0.5, 1313 ± 0.5, 1318 ± 0.5, 1323 ± 0.5, 1328 ± 0.5, 1333 ± 0.5, 1338 ± 0.5, 1343 ± 0.5, 1348 ± 0.5, 1353 ± 0.5, 1358 ± 0.5, 1363 ± 0.5, 1368 ± 0.5, 1373 ± 0.5, 1378 ± 0.5, 1383 ± 0.5, 1388 ± 0.5, 1393 ± 0.5, 1398 ± 0.5, 1403 ± 0.5, 1408 ± 0.5, 1413 ± 0.5, 1418 ± 0.5, 1423 ± 0.5, 1428 ± 0.5, 1433 ± 0.5, 1438 ± 0.5, 1443 ± 0.5, 1448 ± 0.5, 1453 ± 0.5, 1458 ± 0.5, 1463 ± 0.5, 1468 ± 0.5, 1473 ± 0.5, 1478 ± 0.5, 1483 ± 0.5, 1488 ± 0.5, 1493 ± 0.5, 1498 ± 0.5, 1503 ± 0.5, 1508 ± 0.5, 1513 ± 0.5, 1518 ± 0.5, 1523 ± 0.5, 1528 ± 0.5, 1533 ± 0.5, 1538 ± 0.5, 1543 ± 0.5, 1548 ± 0.5, 1553 ± 0.5, 1558 ± 0.5, 1563 ± 0.5, 1568 ± 0.5, 1573 ± 0.5, 1578 ± 0.5, 1583 ± 0.5, 1588 ± 0.5, 1593 ± 0.5, 1598 ± 0.5, 1603 ± 0.5, 1608 ± 0.5, 1613 ± 0.5, 1618 ± 0.5, 1623 ± 0.5, 1628 ± 0.5, 1633 ± 0.5, 1638 ± 0.5, 1643 ± 0.5, 1648 ± 0.5, 1653 ± 0.5, 1658 ± 0.5, 1663 ± 0.5, 1668 ± 0.5, 1673 ± 0.5, 1678 ± 0.5, 1683 ± 0.5, 1688 ± 0.5, 1693 ± 0.5, 1698 ± 0.5, 1703 ± 0.5, 1708 ± 0.5, 1713 ± 0.5, 1718 ± 0.5, 1723 ± 0.5, 1728 ± 0.5, 1733 ± 0.5, 1738 ± 0.5, 1743 ± 0.5, 1748 ± 0.5, 1753 ± 0.5, 1758 ± 0.5, 1763 ± 0.5, 1768 ± 0.5, 1773 ± 0.5, 1778 ± 0.5, 1783 ± 0.5, 1788 ± 0.5, 1793 ± 0.5, 1798 ± 0.5, 1803 ± 0.5, 1808 ± 0.5, 1813 ± 0.5, 1818 ± 0.5, 1823 ± 0.5, 1828 ± 0.5, 1833 ± 0.5, 1838 ± 0.5, 1843 ± 0.5, 1848 ± 0.5, 1853 ± 0.5, 18				
Small tanks (6000 l)	Temperature treatment (°C)	5.0	5.0	5.0	5.0	5.0
Large tanks (6000 l)	Temperature treatment (°C)	5.0	5.0	5.0	5.0	5.0
Staging tanks (6000 l)	Temperature treatment (°C)	5.0	5.0	5.0	5.0	5.0
Staging tanks (6000 l)	Temperature treatment (°C)	5.0	5.0	5.0	5.0	5.0
Staging tanks (6000 l)	Temperature treatment (°C)	5.0	5.0	5.0	5.0	5.0
Staging tanks (6000 l)	Temperature treatment (°C)	5.0	5.0	5.0	5.0	5.0
Staging tanks (6000 l)	Temperature treatment (°C)	5.0	5.0	5.0	5.0	5.0
Staging tanks (6000 l)	Temperature treatment (°C)	5.0	5.0	5.0	5.0	5.0

External dimensions

CRYSTA-Apex V1600 Series



Model	CYSA-Ages V162012	CYSA-Ages V162015	CYSA-Ages V164015	CYSA-Ages V162016	CYSA-Ages V162015	CYSA-Ages V164015
X				1000		
Y	2000	1000	4000		3000	4000
Z		1200			1000	
A	3050	4050	5050	3050	4050	5050
B	1400	2400	1400	1400	2400	1000
C	340	1000	340	340	1000	340
D	4100		4100		4100	4100
E	600			600		600
F		1400				600



Description

The CRYSTA-Apex V1200, 1600 & 2000 series offers you up to 12,8m³ measuring volume and still keeps an excellent 4,5 µm accuracy or better.

This series is developed for supporting quality evaluation of volumetric parts. This high performance, cost effective coordinate measuring machine, designed and constructed according to Mitutoyo's extensive experience in CNC CMM technology.

Ready for touch trigger probe, scanning probe, optical probe and laser scanner probe.

Main benefits:

- Proven lightweight bridge-type construction with high rigidity air-bearings on every axis
- High accuracy, high speed and high acceleration
- Temperature sensors for compensation of machine and workpiece from 16° to 24°C and monitoring of the environmental temperature.
- ABS linear scales provide high environmental resistance and saves time at start-up as homing is not necessary
- UC480 controller supporting Multi-sensor and SMS functionality (Smart Measuring System)

Specification

Model:	CRYSTA-Apex V163016
Model:	CRYSTA-Apex V 163016
Range:	1600 x 3000 x 1600 mm
Accuracy:	E0, MPE from: (3,3+0,45L/100) µm
Max. drive speed:	693 mm/s (3-axis)
Model:	CRYSTA-Apex V 163016
Loading Weight:	3,500 kg
Loading Height:	1,800 mm
Digital step:	0.1 µm