



CODE GT2368
 MODEL SPECTRO TITAN
 DIMENSION 25 x 28 x 9 cm
 POWER Li-Ion battery 7,2 V
 WEIGHT 1,5 k g

SPECTROMETER S1 TITAN 600

DESCRIPTION

The S1 TITAN series is designed to quickly and accurately report the elemental analysis of your sample for deliver fast and accurate results. The ergonomic pistol grip and trigger are designed for all-day use. The color touchscreen LCD is easily seen in all lighting conditions. Weighing in at just 1,5 kg, the S1 TITAN is among the lightest tube-based XRF analyzers on the market today. Fast analysis speed and exceptional accuracy are two key attributes that help define the S1 TITAN. Other innovative features include an integrated touch-screen color display, 50 kV X-ray tube, SMART Grade™ timing, SharpBeam™ optimized X-ray geometry, Silicon Drift Detector (SDD), and an extremely tough housing that is sealed against humid and dusty environments.

TECHNICAL SPECIFICATIONS

- Detect: FAST SDD® Typical resolution: < 145eV
- Detector Shield™: included
- Color CMOS Camera: optional
- Excitation Source: Rh target X-ray tube 4W, 15–50kV, 5–100µA.
- Spot size 5 mm
- Filter: Five positions automatic filter change
- Elemental Range: 37 elements, including light elements Mg, Al & Si – U
- Sample temperature: Default to 150°C with Ultralene® window. Up to 500°C with Kapton® window and hot surface adapter.
- Testing module: Assay, Grade ID, Grade Pass/Fail, Limit testing 3.7" ultra bright color touch-screen
- Software: Bruker Elemental S1 TITAN Toolbox proprietary software for results and printing reports.
- PC O.S.: Windows® XP, Windows® 7, Windows® 8 or Windows® 10
- PC Software: Microsoft® Excel or Bruker proprietary software for report generation and spectrum viewing
- Connectivity and data transmission via Bluetooth, USB cable, USB flashdrive
- Multilingual operating system: Chinese, Chinese simplified, Dutch, English, French, French Canadian, German, Indonesian, Italian, Japanese, Korean, Polish, Portuguese BR, Russian, Spanish MEX, Spanish, Thai, Turkish
- Data storage: 8GB standard, expandable to 64GB – Internal memory: 8,000 readings with spectra (maximum) USB flashdrive: 80,000 readings with spectra (minimum)
- GeoExploration Application Package p/n 730.0187 for Ceramic Tile.
- Table with which to verify elements of interest for analysis on ceramic tiles.
- Operating Temp: -10 °C to +50 °C, Splash and dust proof (IP54)
- Power: Li-Ion battery (7.2V nominal); Battery Charger; AC Adapter (9V DC 3A)

EQUIPMENT

- User manual and cd, Pelican suitcase for easy transportation, n°5
- Spare windows for detector protection. Two long-life Li-Ion (7.2V Nominal) with Li-Ion battery charger; AC Adapter (9V DC @ 3A);
- 4 GB USB key for storage data and reports