Centurion® TK50 & WinCem®
Infrared Kiln Shell Scanning System
**PERFORMANCE**

- **Scanning Rate**: 30Hz
- **Linear Samples per Scan**: 2048
- **Focus**: 1m to Infinity
- **Scanning Field of View**: 120°
- **Spectral Range**: 3.3µm - 4.2µm
- **Temperature Range**: 60-700°C
- **Filter**: Atmospheric
- **Power Consumption**: 24 Watts

**Spatial Resolution:**

- **NETD at 100°C**: <1.6°C
- **Accuracy**:
  - ± 4°C at 100-250°C
  - <1% at 250-700°C
- **Detector Type**: Mercury Cadmium Telluride

**FEATURES**

- High scan speed for newer, faster kilns
- Higher resolution for refractory detail
- High sensitivity to identify smaller temperature changes
- Wide dynamic range from light-up to shut-down
- Fibre optic communication
- Standard USB connectivity
- Fully compatible with existing Centurion systems

**CENTURION TK50 Kiln Shell Line Scanner and Visualisation System**

Centurion TK50 is the industry-standard rotary Kiln Shell Line Scan system from Thermoteknix. Centurion TK50 works with Thermoteknix WinCem Graphic kiln visualisation software representing the most exciting development in rotary kiln shell scanning information for many years:

Unparalleled high definition display, 3D coating/brick thickness display, dynamic multi-region trending, worst case temperature tracking, heat loss/thermodynamics package and many more features.

**PERFORMANCE**

- **Operating Temperature Range (standard)**: -20°C to +50°C
- **Operating Temperature Range (optional)**: -40°C to +70°C
- **Enclosure Classification**: IP66, BS EN 60529
- **Size (W x H x D)**: mm 200 x 180 x 70
- **Weight**: 3.5kg

**COMMUNICATIONS**

- Multimode fibre optic cable kit - 62.5/125µm with ST terminations

**OPTIONAL ACCESSORIES**

- Tyre Slip Software
- WinBrix Refractory Expert
- Thermodynamics Package
- Remote I/O Module
- OPC Interfacing Software
- Client-Server Network Software
- Alignment Telescope
- Rack-mounted PC

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