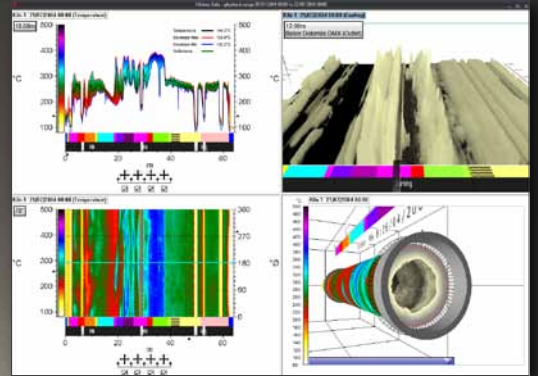


# Centurion® TK50 & WinCem®

Infrared Kiln Shell Scanning System



# Centurion® TK50 & WinCem®

## Infrared Kiln Shell Scanning System



### 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

### 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

PC Interfacing Software Windows 7 or later

### 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

### 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.

### TK50 & POWER UNIT ENVIRONMENTAL DETAILS

Operating Temperature Range (standard)	-20°C to +50°C	BS EN 60068-2-1/2
Operating Temperature Range (optional)	-40°C to +70°C	BS EN 60068-2-1/2
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

### WARRANTY

24 Months Standard

Web: [www.thermoteknix.com](http://www.thermoteknix.com) Email: [sales@thermoteknix.com](mailto:sales@thermoteknix.com)

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