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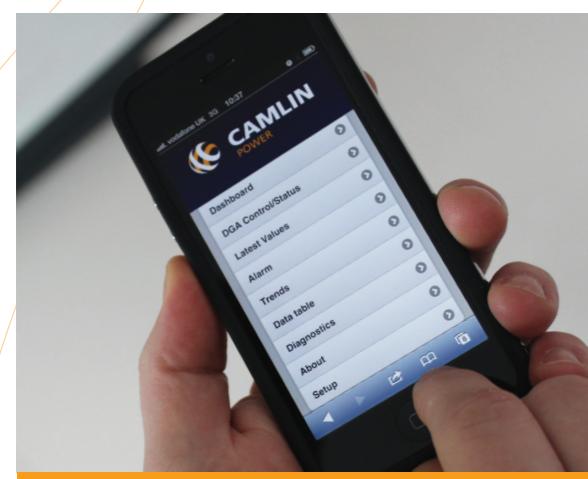
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TOTUS DGA

**Advanced Monitoring for
Power Transformers**

TOTUS DGA (Dissolved Gas Analysis) is recognised as the cornerstone of successful transformer management with on-line DGA now globally implemented.



Access data from any smart device

Overview

TOTUS DGA from Camlin Power represents the next generation of monitoring for power transformers.

TOTUS DGA incorporates the robust design, performance and field quality that allow Asset Managers to more confidently manage and extend the life of their critical assets.

TOTUS DGA is part of the **SIGMA TX** overall transformer monitoring system from Camlin Power.

Key Features

- Photo-acoustic Spectroscopy for 9-gas DGA
 - Accurate, reliable, field proven
 - No consumables or calibration gas requirements
 - Market-leading specifications.
- Embedded webserver and web-based software
 - Full control and comms via secure, flexible web-access
 - Includes powerful apps for smartphone or tablet
 - Additional PC software available for off-line viewing
 - Full compatibility with asset management systems.
- Fully incorporated touch LCD screen
 - On-site analysis and graphing
 - Easy to navigate control of unit
 - Web access for support and comms.
- Extensive comms and I/O options for modern asset owner
 - Data-hub for third party monitors
- Load and temperature monitoring as standard
- Rugged, modular design to highest industrial standards



Camlin Power SIGMA TX installed on a 110kV / 33kV transformer

Specification

Parameter	
H ₂	2 - 5,000 PPM
CH ₄	1 - 25,000 PPM
C ₂ H ₆	1 - 25,000 PPM
C ₂ H ₄	1 - 25,000 PPM
C ₂ H ₂	0.1 - 25,000 PPM
CO	1 - 25,000 PPM
CO ₂	3 - 20,000 PPM
O ₂	100 - 150,000 PPM
N ₂	100 - 150,000 PPM
H ₂ O (RS)	0 - 100% RS
Accuracy	± 3% or ± LDL (whichever is greater)

Enclosure	
H x W x D	600 x 800 x 300 mm
Weight	48 kg
IP rating	IP55
Material	304 SS (316 option)

Data	
Measurement frequency	1 - 24 hours
Storage	16 GB microSD card, 15+ years

Alarms	
High-vis LED's	Red, Amber, Green
Alarm relay contact	3 x NO or NC, user configurable
I/O	
Analog inputs	3 x PT100, 3 x 4 - 20 mA, 1 x Load CT
Digital inputs	2
Communications	
Protocols	ModBus, DNP3 & IEC61850
Carriers	RS232, RS485, Ethernet, GPRS, Fibre
HMI	7" High Resolution Colour LCD
Power	
Voltage	85-132 / 187-267 VAC
Current (max)	8 A
Environmental	
Operating temperature	-40 to +55 °C (option for -60 °C)
Operating humidity	5 - 95% RH, non-condensing
Oil temperature range	-40 to +120 °C



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