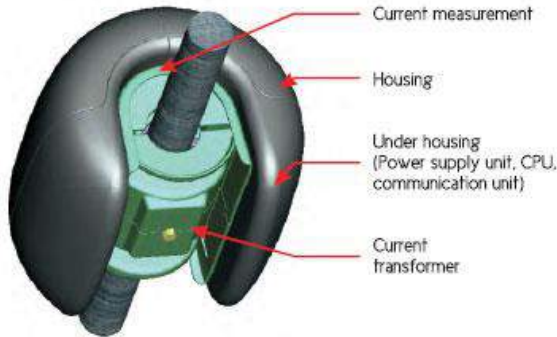


Over Head Transmission Line Monitoring System



Description

While designing new overhead line, line thermal ratings are normally calculated assuming conservative weather conditions and a maximum allowed conductor temperature, which allows adequate electrical clearance and avoids annealing to aluminium or copper wires.

OTLM is a system solution for monitoring and rating your existing and new OHL based on real time monitoring of conductor temperature, sag, load and weather conditions.

Specification

- ✓ High voltage level from 110 kV to 400 kV
- ✓ Conductor diameter 15 mm to 45 mm
- ✓ Cross section from 95,0 mm² to 950,0mm²
- ✓ Operational current from 65 A
- ✓ Conductor current measurement resolution 1A
- ✓ Operating ambient temperature -40 0C to +85 0C
- ✓ Range of line temperature measurement -40 0C to +1250C
- ✓ Temperature measurement resolution 0,5 0C
- ✓ Temperature measurement deviation $\pm 20C$ in range form -200C to +1000C
- ✓ Communication protocols SMS/GPRS
- ✓ Weight ax. 9,5 kg
- ✓ Adjustable from 60 sec to 86400 sec, step 1 sec (default: 600 sec)

	Alarm setting (°C)	Data sending(min)
Normal working		20
First alarm (T>)	65	10
Second alarm (T>>)	75	1