

ACOS 750 versus ACOS 730



sturdy and powerful



compact and adaptable

Comparison of features

| | ACOS 750 | ACOS 730 |
|----------------------------------------------------------------------------------------------------|----------|--------------------------|
| Processing of process signals | | RTU 8.6 (as at Jan 2019) |
| Information object model according to IEC 60870-5-104 (see Interoperability lists) | x | x |
| Group signals | x | via PLC |
| Command checkback signals (assignment SIG-> CMD) | x | |
| Lock signals (applies to SIG, MV, CV) | x | x |
| Monitoring signals | x | x |
| Change of information object parameters via private IDS telegrams | x | |
| Archives (IDS private, telegrams with time tag) | x | |
| Max. no. of data objects in system | 4097 | 128 |
| Communication standards | | |
| IEC 60870-5-104 Client | x | |
| IEC 60870-5-104 Server | x | max. 4 connections |
| IEC 60870-5-101 Master / Slave | x | |
| IEC 60870-5-103 Master | x | |
| Routings | x | |
| Telegram filters | x | x |
| Profile mapping | x | |
| Individual addressing per IEC 60870-5-104 Server | x | |
| IEC 61850 Client / Server | x | |
| Modbus RTU Master | x | x |
| Modbus RTU Slave | x | |
| Modbus TCP Client | x | x |
| Profibus DP Master | x | |
| 3964R/RK512 | x | |
| Alternate transmission routes in monitoring direction (coupling to redundant IDS front end) | | |
| Route switching (AltRoute, IDS private) | x | |
| Multiple transmission | x | x |
| Time synchronization | | |
| NTP Client | x | x |
| NTP Server | x | |
| IEC 60870-5-101/104 telegram type 103 | x | x |

| | ACOS 750 | ACOS 730 |
|------------------------------------------------------------|----------|----------|
| Application | | |
| PLC function* | x | x |
| Standard solution for local substations | | x |
| Standard solution for supply management | | x |
| Parameterization | | |
| Service interface | x | x |
| Remote over IP | x | x |
| Remote via file transfer acc. to IEC 60870-5-10x | x | |
| µSD card | x | x |
| Network, IT security & encryption | | |
| OpenVPN Client | x | x |
| IPSec Client | x | x |
| TLS (IEC 62351-3) | x | x |
| Firewall | x | x |
| IEEE 802.1X Port Authentication | | x |
| SNMPv3 Agent | | x |
| DHCP support on ETHx | | x |
| Secure service access (OpenVPN) | x | |
| Diagnose & Update | | |
| Hardware, information objects, telegram traffic in ACOS ET | x | |
| Process status | x | x |
| NTP diagnose | x | |
| Network traffic (via Wireshark) | x | |
| GPRS or LTE diagnose (field strength indicator) | x | x |
| Firmware update via web interface | x | x |
| Telegram simulation via IEC Tester | x | x |
| Hardware | | |
| Network interfaces CU | 1 | 2 |
| Serial interfaces RS232 CU | 1 | |
| Serial interfaces RS485 CU | 1 | 1 |
| Max. no. of additional I/O modules | 6/128 | 3 |

*Note: Replacement of an ACOS 750 PLC by an ACOS 730 PLC requires adaptations.