Technical Data OTT HydroSystems





Complete hydrological gauging stations with telemetry

- **Product Highlights** Turn-key solutions for stand-alone measuring stations
- Location Gauging station, Pole mount
- Main power supply Battery, Solar
- Communication Cellular, Satellite (GOES/Meteosat)

OTT HydroSystems offer a decisive price advantage compared to individual configured systems. The IP-enabled and highly energy-efficient datalogger OTT netDL is the core of the system. Several SDI-12 sensors may be connected to the rugged logger, as it has up to 40 channels. The measured data may be remotely transferred via the built-in cellular modem, optionally via satellite or Ethernet. The required antennas are already included in the system.

| Cabinet | | |
|----------------------------------|--------------------------|--|
| Housing material | Stainless steel | |
| Protection class | IP65 | |
| Lockable | | |
| Breathing gland | | |
| Max. dimension battery: (W x H x | 190 mm x 175 mm x 130 mm | |
| D) | | |



| Temperature range | | |
|------------------------------|--------------------------|--|
| Cabinet, components included | -25 °C +50 °C | |
| | | |
| Power Supply (solar energy) | | |
| Solar controller | OTT PR1205 | |
| Optional: Solarpanel | 12 V/30 W, | |
| | 460 mm x 530 mm (W x H), | |
| | with 1" outrigger | |
| Optional: Battery | 12 V /26 Ah | |
| | | |
| Power Supply (mains power) | | |
| Power Control Unit | OTT PCU12 | |
| Optional: Battery | 12 V/7 Ah | |
| | | |

| Enhanced overvoltage | |
|---------------------------|--|
| Mains power supply (solar | SPD acc. to EN 61643-11: Type 3, |
| optional) | SPD acc. to IEC 61643-1/-11: Class III |
| Sensors (optional) | EN 61643-21, |
| | IEC 61643-21 |

| IP-Datalogger | |
|---------------------------|---------------------------|
| Туре | OTT netDL 500 |
| | OTT netDL 1000 |
| External modem | 4G / LTE |
| Communications interfaces | USB Host and USB Device, |
| | RS-232 (full DB9), |
| | Ethernet (netDL 1000) |
| Sensors interfaces | SDI-12, RS-485 (SDI-12), |
| | 2 x status-/impulse input |
| | 2 x switched output |
| Flat antenna | |