



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 | |
|-------------------------------------|--------------------------|
| Dimensions (W x H x D) | 380 mm x 500 mm x 210 mm |
| Housing material | Stainless steel |
| Protection class | IP65 |
| Lockable | |
| Breathing gland | |
| Max. dimension battery: (W x H x D) | 190 mm x 175 mm x 130 mm |

| 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 optional) | SPD acc. to EN 61643-11: Type 3, SPD acc. to IEC 61643-1/-11: Class III |
| Sensors (optional) | EN 61643-21, IEC 61643-21 |

| IP-Datalogger | |
|---------------------------|--|
| Type | OTT netDL 500 OTT netDL 1000 (HydroSystem F) |
| Integrated modem | GSM/GPRS or 3G |
| 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 Analogue inputs (optional) |
| Flat antenna | |

| Satellite transmitter | |
|-----------------------|---|
| HydroSystem B + D | Satellite transmitter for GOES/Meteosat |

| Water level sensor | |
|--------------------|--|
| HydroSystem C + D | OTT CBS - bubble sensor for indirect water level measurement |