



### 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