

Technical Data

OTT netDL 500/1000	IP data logger for hydrological and meteorological applications
Communications interfaces	
Ethernet RJ-45 10 Base-T (netDL 1000)	
USB Host and USB Device	
RS-232	
netDL 1000	2
netDL 500	1
Sensor interfaces (standard version)	
SDI-12 V 1.3	
RS-485 (SDI-12/Modbus RTU)	
Pulse/status input	
netDL 1000	4
netDL 500	2
Status/switch output	2
Input/output modules	
Analogue inputs	configurable
Analogue inputs, isolated	configurable
Analogue outputs	configurable
Serial input module for OTT Sensors	
Barometric input board	
Measuring channels	
Standard	40
Optionally	120
IP communication	
Integrated TCP/IP stack	HTTP, HTTPS, FTP, SMTP, Socket...
Communication paths	GSM/GPRS/3G, Ethernet/DSL, PPP over landline
Integrated Web server	
Encrypted data transmission	SSL 3.0 / TLS 1.0 /1.1/1.2
HTTPS	
Integrated modem (optional)	
GSM/GPRS	900/1800, 850/1900 MHz
GSM/GPRS; 3G (UMTS/HSPA+)	900/1800, 850/1900 MHz; 800/850, 900, AWS 1700, 1900, 2100 MHz
Operating system	
	RTOS with power management for minimal power consumption
Time synchronisation	SNTP (Simple Network Time Protocol)
Electrical data	
Power supply	9 ... 28 V DC (typ. 12 V DC)
Power consumption at 12 V DC	
Sleep mode	< 250 μ A; Sleep mode, impulse active < 10 mA
Active mode	approx. 25 mA ... max. 400 mA (depending on configuration)
RAM / NOR / NAND Flash	4 MB / 8 MB / 256 MB
Data memory	
Capacity	up to 1,100,000 values
OTT Parsivel spectral data	yes
Display	
Graphical dot matrix	122 x 32 pixels

Illumination	LED backlight
Control	by jog shuttle
Status display	2 x LED (variant with integrated modem)
Environmental conditions	
Temperature range	
Operation	-40 °C ... +70 °C
Storage	-50 °C ... + 85 °C
Internal modem	-30 °C ... +70 °C
Display (display on)	-20 °C ... +70 °C
Relative humidity	5 ... 95 % (non condensing)
Mechanical data	
Dimensions (L x W x H)	
netDL 1000	232 mm x 124 mm x 86 mm
netDL 500	148 mm x 124 mm x 86 mm
Housing	ABS
Protection class	IP41