Description

The Wildeye is a revolutionary device that connects meters & sensors directly to your phone - out of the box.

Connect your Wildeye to any compatible meter or sensor 4G coverage and continuously monitor sensors and meters, control remote pumps and valves, and generate alerts and reports.

Wildeye comes with a website subscription that allows you to view data on graphs, dashboards or map views, and to configure and control your fleet of devices.

Features

- Connect any meter or sensor
- IP68 Waterproof
- SIM card builtin for Verizon connectivity
- Rechargable version runs directly from solar panel
- Long-life version lasts up to 6 years
- Power from any 8-30V DC power source
- Waterproof external battery packs available to boost lifetime
- Monitor up to 12 meters/sensors from a single wildeye
- Add extra sensors with Expander modules

Wildeye 4G IoT logger - rechargeable, 2 cable version with example iPhone app screenshot

Meter & Sensor Interfaces

MODEL	-	COMMS	-	POWER	-	CABLE #1	-	CABLE #2
MODEL EXAMPLE	WILD	-	M	-	R	-	NACS	-	NACS

COMMS	DESCRIPTION
M	4G (CatM1)

POWER	DESCRIPTION
R	External Power, Rechargeable
B	Internal Battery

CABLE	CHANNELS
NCD	1 x Counter, 1 x Tamper Line
NAC	1 x 4-20mA, 1 x Counter
NAS	1 x 4-20mA, 1 x SDI12
NACS	1 x 4-20mA, 1 x Counter, 1 x SDI12
NAR4	1 x 4-20mA, 1 x RS485
NCCS	2 x Counter, 1 x SDI12
NCCS5	2 x Counter, 1 x SDI12 (5V Output)
T	1 x NTC Thermistor

CABLE	CHANNELS
NCD[1]	1 x Counter, 1 x Tamper Line
NAC[1]	1 x 4-20mA, 1 x Counter
NAS	1 x 4-20mA, 1 x SDI12
NACS[1]	1 x 4-20mA, 1 x Counter, 1 x SDI12

Notes

1. NCD, NAC and NACS types not available on plug #2 if Plug #1 is NCCS or NCCS5

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Hardware

Analog Inputs

▪ Channels	max 2 native
	(up to 12 with expanders)
▪ Type	0-20mA, 0-5V, 10K Resistance
▪ Accuracy	0.1%
▪ Electrical	0-20mA, single ended
▪ Switched Power (SPO)	200mA Max, 12V

Pulse Counter Inputs

▪ Channels	max 2 native
▪ Open-circuit voltage	2.8 V
▪ Close circuit voltage thresh-old	1.2 V
▪ Input Impedance	1 MOhm
▪ Minimum Pulse Width	20 ms
▪ Maximum Frequency	25 Hz

Datalogger

▪ Max Datapoints backup capacity	4G: 10000 Datapoints
▪ Channel Sampling Rate	max 1 min per channel

Digital Interfaces

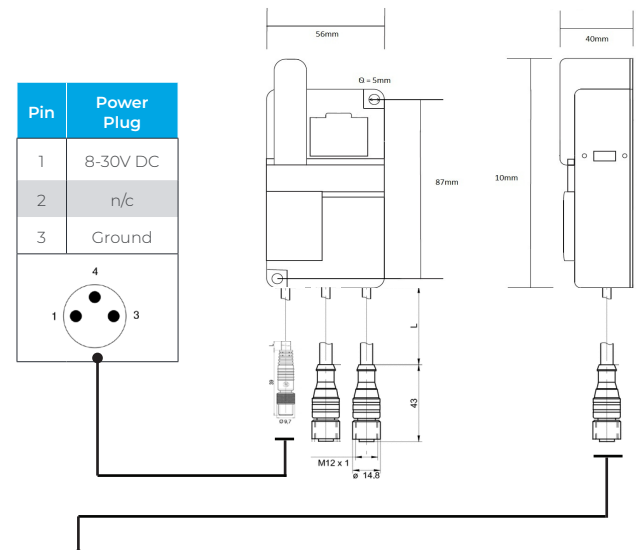|	
▪ Types Supported	Native: SDI-12, RS-485 (half duplex)
	with Expander: RS-232, TTL
▪ SDI-12, RS-485 Connections	Max 12

Physical

▪ Size	4.33in x 2.17in x 1.58in
	(110mm x 55mm x 40mm)
▪ Weight	9 oz (255g)
▪ Operating Temperature	23 °F to 140 °F (-5 °C to 60 °C)

Telecommunications

▪ 4G [CatM1] Frequencies	3GPP Release 13 Bands: 1-5, 8,12,13,18-20,25,26,28 Freq: 700, 750, 800, 850, 900 1700, 1800, 1900, 2100 MHz
▪ 4G [CatM1] Power Output	LTE Cat M1 / NB19 : Class 3 (23 dBm, 200mW)
▪ Antenna Plug Type	SMA

Physical

▪ Size	110mm x55mm x40mm
▪ Weight	255g (9 oz)

Pin	Power Plug
1	8-30V DC
2	n/c
3	Ground

Sensor Plug	Pin [Color]	NACS / all other types	NAR4	NCCS/5	NCD
	1	12V SPO	12V SPO	12V SPO	Digital
	2	SDI12	RS485+ (B)	SDI12	
	3	4-20mA / all other analog	4-20mA	Counter2	
	4	Ground	Ground	Ground	Ground
	5	Counter	RS485- (A)	Counter1	Counter

Note: Connector cable length L is typically 1ft (30 cm)

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