

**WATTECO**



**BellEquip**  
Technik, die verbindet!

**We have the sensors  
best suited to your uses**



**SMART METERING**



**SMART BUILDING**



**SMART CITY**



**SMART INDUSTRY**

**WATTECO is a European leader in the design and manufacture  
of intelligent IoT devices to fit to all remote reading  
and data collection solutions**

Our leadership is backed by over 30 years of experience in the design, development,  
industrialisation and manufacturing of electronic instruments  
for harsh or highly secure environments.



[www.watteco.com](http://www.watteco.com)

FUNCTIONS	VISUAL	DESIGNATION	REFERENCE	POWER SUPPLY and AUTONOMY - SF12 (Replaceable Battery or/and external supply)	CLASS
     		<b>VAQA'O / VAQA'O+</b> Ambient temperature measurement, hygrometry, VOCs (volatile organic compounds) and CO <sub>2</sub> . <b>In addition in Vaqa'O+:</b> ▪ Atmospheric pressure, lux, presence detection.	50-70-168 50-70-074	- Battery 3.6V / 7500mAh lithium - Autonomy: >4 years with 1 measurement/10 mn and 1 report/hr*	A
		<b>INDOOR TEMPERATURE</b> Indoor temperature measurement with detection of tearing off.	50-70-167	- Battery 3.6V - 2600mAh SAFT lithium - Autonomy: >8 years with 1 measure/10mn and 1 report/hr*	A
		<b>INDOOR THR</b> Indoor temperature and relative humidity measurement with detection of tearing off. ▪ Tropicalised version	50-70-162 50-70-191	- Battery 3.6V - 3600mAh SAFT lithium - Autonomy: >8 years with 1 measure/10mn and 1 report/h*	A
		<b>REMOTE THR</b> Temperature and relative humidity measurement with a 10m cable SHT30F remote probe (adjustable length).	50-70-200	- Battery 3.6V - 3600mAh SAFT lithium - Autonomy: >8 years with 2 transmissions per day* - Emission of an alert if the threshold is exceeded	A
		<b>REMOTE TEMPERATURE</b> Temperature measurement to monitor hot spots, cold chain and buildings. <b>Versions:</b> ▪ with 1 probe 2m ▪ with 2 probes 2m ▪ with PT1000 interface	50-70-043 50-70-163 50-70-126	- Battery 3.6V - 3600mAh SAFT lithium - Autonomy: >8 years with 1 measurement/10mn and 1 report/hr* or 12 years with 1 report/2hr	A
		<b>OUTDOOR TEMPERATURE</b> Outdoor temperature measurement.	50-70-164	- Battery 3.6V - 3600mAh SAFT lithium - Autonomy: > 8 years with 1 measurement/10mn and 1 report/hr*	A
		<b>ATM'O</b> Outdoor temperature, relative humidity and atmospheric pressure measurement.	50-70-099	- Battery 3.6V - 7200mAh SAFT lithium - Autonomy: >5 years with 1 measure and 1 report/10mn or >8 years with 2 measurements and 1 report/hr*	A
   		<b>PULSE SENS'O ATEX</b> Pulse counting for energy meters. Up to 3 inputs for counting or report status change in the AtEx 1 sensitive zone. <b>Versions:</b> ▪ IP55 Pulse SENS'O AtEx zone 1 ▪ IP68 Pulse SENS'O AtEx zone 1 ▪ Accessories for gas meters Itron, Elster, Gazpar, etc.	50-70-123 50-70-152 On demand	- Battery 3,6V / 3600mAh SAFT lithium - Autonomy: >10 years with 1 report/day* - Ex II 2 GD - Ex ib IIB, IIC T4 Gb - Ex ib IIIC T135°C Db - -20 ≤ Tamb ≤ +50°C	A
		<b>TORAN'O ATEX</b> 3x50 inputs for report status changes or pulse count values. 2x0-5V inputs and 1x4-20mA for analog measurements of equipment in the AtEx 1 sensitive zone to turn any gauge into a remote wireless sensor. <b>Versions:</b> ▪ IP55 ▪ IP68 ▪ Accessories for gas meters connection	50-70-124 50-70-150 On demand	- Battery 3,6V / 3600mAh SAFT lithium - Autonomy: > 10 years with 1 measurement/day and 1 report/day* - AtEx Zone I certified - Ex II 2 GD - Ex ib IIB, IIC T4 Gb - -20 ≤ Tamb ≤ +50°C	A
  		<b>PULSE SENS'O</b> Up/Down pulse counting for water/gas/electric/ energy meters or report status. Capability to monitor up to 3 meters simultaneously. <b>Versions:</b> ▪ IP55 Pulse SENS'O ▪ IP68 Pulse SENS'O	50-70-160 50-70-039	- Battery 3,6V / 3600mAh lithium - Autonomy: >10 years with 1 measurement/hr and 1report/4hr*	A
		<b>IN'O</b> Transforming any type of binary I/O sensor into a remote wireless sensor report from 10 inputs and 4 outputs.	50-70-016 50-70-087	- Battery 3,6V / 3600mAh lithium - or 9V-24V / 300mW external power supply - Autonomy: no limit or 10 years with 1 measurement/hr and 1 report/day*	A C
		<b>PRESS'O / PRESS'O+</b> Two analog inputs 0-10V, 4-20mA and gauge power supply. ▪ Basic version for remote wireless sensor. ▪ <b>Press'O+</b> : additional 1 SO input and external antenna. ▪ Water network pressure measurement 0-16 bar.	50-70-017 50-70-189 On demand	- Battery 3,6V / 3600mAh lithium - 9V-24V / 300mW external power supply - Autonomy: 5 years for 24 measurements and 1 report/day	A
		<b>LEV'O + LIQUID LEVEL</b> Based on Toran'O sensor. Measurement of the relative pressure of liquid (water, oil, diesel, fertilizer, ...) to determine a level in a tank or a cavity.	50-70-210	- Battery 3.6V - 3600mAh lithium - Autonomy: >10 years with 1 measurement/day and report/day - AtEx Zone I certified - Ex II 2 GD - Ex ib IIB, IIC T4 Gb - -20 ≤ Tamb ≤ +50°C	A

\*Default configuration

FUNCTIONS	VISUAL	DESIGNATION	REFERENCE	POWER SUPPLY and AUTONOMY - SF12 (Replaceable Battery or/and external supply)	CLASS
 		<b>LEV'O+ LPG</b> Based on TORAN'O sensor and Rochester Gauge. Measurement of the level of LPG in a tank.	50-70-211	- Battery 3.6V - 3600mAh lithium - Autonomy: >10 years with 1 measurement/day and report/day - AtEx Zone I certified - Ex II 2 GD - Ex ib IIB, IIC T4 Gb - -20 ≤ Tamb ≤ +50°C	A
		<b>MODBUS MASTER RS485</b> Interfaces a Modbus equipment and make it communicate through a LoRaWAN® network.	50-70-080 50-70-109	- Battery 3,6V / 3600mAh lithium or 9V-24V 100mW external power supply - Autonomy: no limit or >10 years* with 2 requests and 2 transmissions of 4 bytes/day	A C
 		<b>FLASH'O</b> Transmitting the accumulated flash LED numbers from any pulse meter: water/gas/electricity/energy.	50-70-071	- Battery 3.6V - 3600mAh lithium - Autonomy: 10 years with 1 measurement and report/day*	A
		<b>SMART PILOT WIRE</b> To control electric heater or relay. Actuator status report.	50-70-027	- 230VAC. +10%/-15% ; 50Hz - Autonomy: no limit	C
 		<b>INTENS'O</b> Measures the intensity of electrical power and determines the state of the equipment.	50-70-098	- Battery 3,6V / 3600mAh lithium - Autonomy: 10 years with 1 measurement/mn and 1 report/hr or 7 years with 1 measurement/2 sec. and 1 report/4hr	A
		<b>SMART PLUG</b> Measures and reports the energy, controls the connected load, measures the quality of the power grid.	50-70-003	- 230VAC. +10%/-15% ; 50Hz - Autonomy: no limit	C
		<b>TRIPHAS'O</b> Measurements for active and reactive energies and power with Rogowski coil and split core current transformer: ▪ with 60 A toroid ▪ with 400 A toroid ▪ without Rogowski coil 4 000A ▪ with Rogowski coil 4 000A.	50-70-105 50-70-145 50-70-146 50-70-147	- 230VAC. - 400VAC +10%/-15% - Autonomy: no limit	C
		<b>VENTIL'O</b> Measures and transmits air depression in Continuous Mandatory Ventilation or Air Handling Unit. ▪ Also available with an optional SO input.	50-70-101 50-70-166	- Battery 3,6V / 3600mAh lithium - Autonomy: >10 years: Pressure only with 1 measurement/hr and 1 report/day or > 10 years with 1 measurement/15 mn and 1 report/6hr	A
 		<b>CLOS'O</b> Reports & alerts for doors and gates activit.	50-70-108	- Battery 3,6V / 3600mAh lithium - Autonomy: > 7 years with 1 report/day	A
		<b>INCLIN'O</b> Tilt sensor to measure and detect inclination variation, particularly on a roof window.	50-70-201	- Battery 3.6V - 3600mAh lithium - Autonomy: >8 years with 1 measurement /10 seconds and 1 report/day*	A
 		<b>MONIT'O</b> Monitors the charge voltage and current of a 12V, 24V, 48V battery.	50-70-141	- Battery 3.6V - 3600mAh lithium - Autonomy: >12 years with 1 measurement and 1 report/day* or >6 years with 1 measurement /10mn and 1 report/hr	A
		<b>BOB ASSISTANT</b> Analyzes the vibration signature of an industrial equipment, ensuring its remote monitoring.	50-80-001	- Battery 3,6V - 2000mAh lithium - Autonomy: >2 years: 2 samples (low frequency and high frequency) every 5 minutes and 8 transmissions per day	A
 		<b>MOVEE</b> Meets the needs of geolocation, operational assistance or industrial preventive maintenance.	50-80-002	- Battery 3,6V - 2000mAh lithium - Autonomy: > 5 years: 4 life frames per day	A
		<b>NETW'O</b> LoRaWAN® network tester. Includes a smartphone application for quick visualisation of network quality and parameters.	50-70-136	- 2x Alcaline Battery 1.5V	A
		<b>CONFIGURATION TOOL</b> Configures a fleet of WATTECO IoT devices.	50-70-174	- N/A	A

\*Default configuration

# OUR SERVICES



## CUSTOM PRODUCTS

Our project teams are able to mobilise their resources to develop a new product that takes into account all the constraints of your future application. To succeed in designing reliable, high performance products, WATTECO relies on a team that possesses skills and know-how in the fields of electronics, industrial data processing and plastics engineering.

Our leadership is based on being attentive to your needs and on the design of market-leading products!

## SUPPORT WEBSITE

Refer to our **assistance page** where you will find all the technical information about our products: support website, installation notices, datasheets, RED directives...

**Codecs available online:** easy access to the source code of our codecs available on Github.

## TECHNICAL ASSISTANCE

The technical assistance is provided by our **product engineers** by email or phone. We supply on-premise support on demand.

## TECHNICAL TRAINING

We design tailor-made training sessions.

## SENSORS CONFIGURATION

- Custom provisioning on-demand: we can configure your sensors in batches with an identical configuration for all of them just before they are shipped from our manufacturing facility.
- With our configuration tool, you can configure and customise your sensors onsite.

[www.watteco.com/assistance](http://www.watteco.com/assistance)



## THEY TRUST US



**BelleEquip**

Technik, die verbindet!

BelleEquip GmbH  
Kuenringerstraße 2  
3910 Zwettl

IHR ANSPRECH-  
PARTNER  
IN ÖSTERREICH:

**Christoph Gattinger**

Vertrieb & technische Beratung  
Umgebungsmonitoring, Sensorik & IoT  
T: +43 2822 33 33 994  
E: christoph.gattinger@bellequip.at



M2M ROUTER, IOT & ANTENNEN

KVM & AUDIO/VIDEO SIGNALVERTEILUNG

USV, ENERGIEVERTEILUNG & -MESSUNG

UMGEBUNGSMONITORING, SENSORIK & IOT

INDUSTRIELLE NETZWERKTECHNIK & WLAN

TECHNIK, SERVICE, SUPPORT & RMA

[www.bellequip.at](http://www.bellequip.at)