TSURUMI PUMP
STRONGER FOR LONGER

TSURUMI CONNECT

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Sit back and relax… and recline.

Give yourself more of peace of mind with Tsurumi Connect Box.

Tsurumi's reliable pumps have been already proving the peace of mind to the users.
Why not adding more reassurance?

Tsurumi Connect Box is designed to monitor and control Tsurumi submersible pumps, and different appliances.
It monitors, collects, and acts to the various data such as current and other data from internal / external sensors to automize your operations.

Increase the security for all connected pumps and extend the lifetime.

Check out our demonstration video.

SCAN ME or CLICK

Find out more at
Tsurumi YouTube channel

SCAN ME or CLICK

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TECHNICAL SPECIFICATIONS

Power supply	230VAC
Network Connection	GSM / LTE / Wi-Fi / LAN
I/O (Digital/Analog | Input/Output)	4 x DI / 1 x DO 4 x AI / 1 x AO
Current	0,9 A
Enclosure	IP66
Dimensions	254 x 180 x 63 mm
Weight	0,4 kg
Language	English, German, French Dutch, Spanish
Certified	CE UK CA

GENERAL PROGRAMS
(examples)

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CONTRACTOR PUMPS

- Monitoring
- Automatic Operation
- Backup Pump
- Remote Control
- Delay times ON/OFF
- Setup alarm parameters
- Min. time in case of alarm level
- Warn in case of clogging
- Automatic Reporting
- Maintenance cycle planning
- More? Yes! Of course!

SEWAGE PUMPS | SINGLE PUMP STATION

- Monitoring
- Automatic Operation
- Remote Control
- Delay times ON/OFF
- Setup alarm parameters
- Min. time in case of alarm level
- Warn in case of clogging
- Automatic Reporting
- Maintenance cycle planning
- More? Yes! Of course!

SEWAGE PUMPS | DOUBLE PUMP STATION

- Monitoring
- Automatic Operation
- Backup Pump
- Remote Control
- Delay times ON/OFF
- Setup alarm parameters
- Min. time in case of alarm level
- Warn in case of clogging
- Automatic Reporting
- Alternating Operation
- Maintenance cycle planning
- More? Yes! Of course!

SKILLS OF TSURUMI CONNECT

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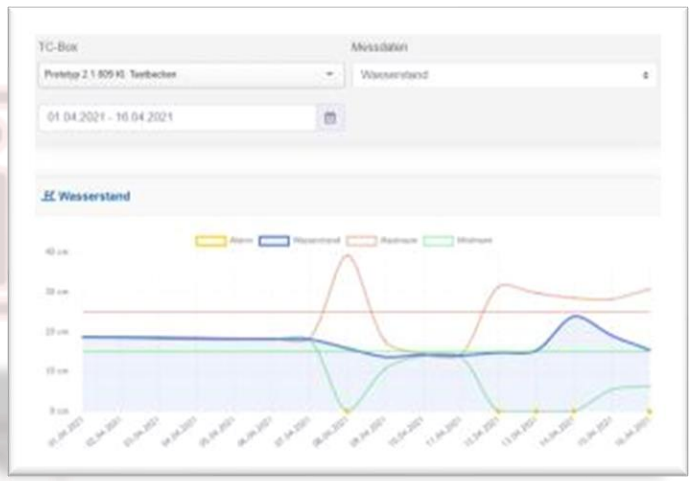
	SKILL	DESCRIPTION
	Monitoring	Monitoring parameters
	Automatic operation (Floater/Level sensor)	Automatic operation
	Backup/Additional pump	Backup pump or double pump station
	Remote control	Remote control featuring unique access codes
	Delay times ON/OFF	Enter a delay time on level reach to stop pumping
	Setup alarm parameters	Set up parameter(s) when you want to receive the alarm(s)
	Min. time running in case of alarm level	Set a minimum time that the pumps shall run in case of alarm water level
	Setup values and warn in case of clogging	System shall warn you if a blocking or clogging is detected
	Auto reverse run (in case of clogging)	Automatically run the pump backwards in order to unclog itself
	Alternating operation	Pumps running alternately to have equal running times
	More…	Yes, of course! Consult Tsurumi with any requirement !

REAL TIME Monitoring *(examples)*

- ✓ *Water level*
- ✓ *Amperage*
- ✓ *Flow*
- ✓ *Pressure*
- ✓ *Numbers of ON/OFF*
- ✓ *and more…*



SKILLS OF TSURUMI CONNECT

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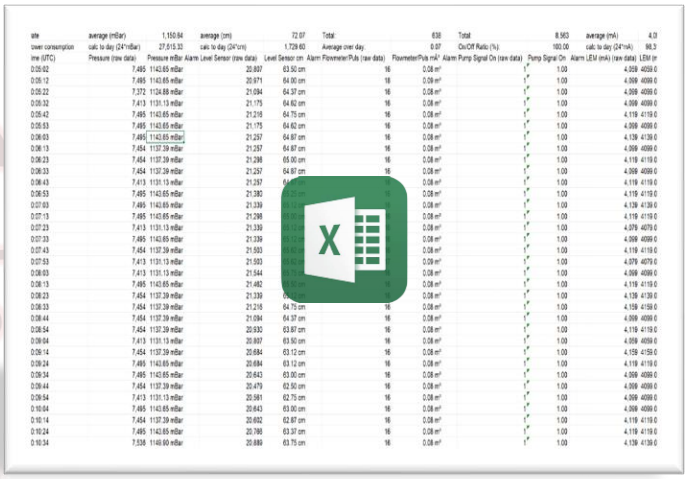
	SKILL	DESCRIPTION
	Automatic reporting	Report created via cloud can be sent daily by excel format
	Maintenance cycle planning	Data collection and evaluation via cloud can create planning of maintenance cycle
	Detect slurping condition	Detect if the pump is in slurping condition and stops pumping for a time defined by you to save energy
	(Aeration) Dissolved oxygen level	Aerator preset designed to be used with an oxygen probe
	(Booster app.) Set up booster or base pump	Set up the timing and switching for the boosting pump or base pump of a booster installation
	Control by time and day	Control the pumps by time and days
	Pure monitoring	Monitoring only. Output for the pump is always switched on
OFF ON	**All pumps OFF / All pumps ON**	For quick remote control. All pumps are switched OFF or ON, and other presets are disabled.
OFF ON	**Primary pump OFF / Backup pump ON**	For quick remote control. Pump 1 is switched off while Pump 2 is switched on. Other presets disabled.
ON OFF	**Primary pump ON / Backup pump OFF**	For quick remote control. Pump 1 is switched on while Pump 2 is switched off. Other presets disabled.
	More…	Yes, of course! Consult Tsurumi with any requirement !

AUTO REPORTING System

Report of operation data and consumptions are already prepared via cloud. Can be sent daily by Excel format which makes it easy for reporting in case of requirement.



CONTRACTOR PUMPS

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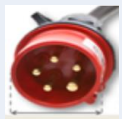
	PUMP				MODIFIED Motor Protection Plug		TCB-001-00	TCA-LTE-00	TCA-LTE-01
Series	Model	Phase	Output (KW)	Rated Current (A)	 56 mm CEE 16A with Float Connection	 63 mm CEE 32A with Float Connection	Tsurumi Connect Box	Antenna (Alt.1)	Antenna (Alt.2)
KTV	KTV2-8	3	0.75	1.8	TC-MPP 01	TC-MPP 07	●	○	○
	KTV2-15	3	1.5	3.3	TC-MPP 02	TC-MPP 08	●	○	○
	KTV2-22	3	2.2	4.3	TC-MPP 03	TC-MPP 09	●	○	○
	KTV2-37H	3	3.7	7.4	TC-MPP 04	TC-MPP 10	●	○	○
	KTV2-37	3	3.7	7.4	TC-MPP 04	TC-MPP 10	●	○	○
	KTV3-55	3	5.5	11	TC-MPP 05	TC-MPP 11	●	○	○
KTZ	KTZ21.5	3	1.5	3.5	TC-MPP 02	TC-MPP 08	●	○	○
	KTZ31.5	3	1.5	3.5	TC-MPP 02	TC-MPP 08	●	○	○
	KTZ22.2	3	2.2	5	TC-MPP 03	TC-MPP 09	●	○	○
	KTZ32.2	3	2.2	5	TC-MPP 03	TC-MPP 09	●	○	○
	KTZ23.7	3	3.7	7.7	TC-MPP 04	TC-MPP 10	●	○	○
	KTZ33.7	3	3.7	7.7	TC-MPP 04	TC-MPP 10	●	○	○
	KTZ43.7	3	3.7	7.7	TC-MPP 04	TC-MPP 10	●	○	○
	KTZ35.5	3	5.5	11.4	TC-MPP 05	TC-MPP 11	●	○	○
	KTZ45.5	3	5.5	11.4	TC-MPP 05	TC-MPP 11	●	○	○
	KTZ47.5	3	7.5	15.1	TC-MPP 06	TC-MPP 12	●	○	○
	KTZ67.5	3	7.5	15.1	TC-MPP 06	TC-MPP 12	●	○	○
KRS	KRS-43	3	3	6.5	TC-MPP 04	TC-MPP 10	●	○	○
	KRS-63	3	3	6.5	TC-MPP 04	TC-MPP 10	●	○	○
	KRS-65.5	3	5.5	12.1	TC-MPP 06	TC-MPP 12	●	○	○
	KRS-85.5	3	5.5	12.1	TC-MPP 06	TC-MPP 12	●	○	○
AGITATOR	KTV2-50	3	2	3.8	TC-MPP 02	TC-MPP 08	●	○	○
	KTV2-80	3	3	6.1	TC-MPP 04	TC-MPP 10	●	○	○
	KTD22.0	3	2	4.5	TC-MPP 03	TC-MPP 09	●	○	○
	KTD33.0	3	3	6.5	TC-MPP 04	TC-MPP 10	●	○	○
	KRS2-80	3	4	9.5	TC-MPP 05	TC-MPP 11	●	○	○
	KRS2-100	3	6	13	TC-MPP 06	TC-MPP 12	●	○	○
	GPN35.5	3	5.5	12.1	TC-MPP 06	TC-MPP 12	●	○	○
	NKZ3-C3	3	2.2	5.1	TC-MPP 03	TC-MPP 09	●	○	○
	NKZ3-D3	3	3.7	8	TC-MPP 04	TC-MPP 10	●	○	○
	NKZ3-80H	3	5.5	12.1	TC-MPP 06	TC-MPP 12	●	○	○
SFQ	50SFQ2.75	3	0.75	2.1	TC-MPP 01	TC-MPP 07	●	○	○
	80SFQ21.5	3	1.5	3.8	TC-MPP 02	TC-MPP 08	●	○	○
	80SFQ23.7	3	3.7	7.3	TC-MPP 04	TC-MPP 10	●	○	○
	80SFQ27.5	3	7.5	14.3	TC-MPP 06	TC-MPP 12	●	○	○
LH(W)	LH33.0	3	3	6.5	TC-MPP 04	TC-MPP 10	●	○	○
	LH23.0W	3	3	6.5	TC-MPP 04	TC-MPP 10	●	○	○
	LH25.5W	3	5.5	11	TC-MPP 05	TC-MPP 11	●	○	○

CONTRACTOR PUMPS

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	PUMP				CONTROL BOX	TCB-001-00	TCA-LTE-00	TCA-LTE-01
Series	Model	Phase	Output (KW)	Rated Current (A)	with Float Connection	Tsurumi Connect Box	Antenna (Alt.1)	Antenna (Alt.2)
KTZ	KTZ411	3	11	22	TC-CB 02	●	○	○
KTZ	KTZ611	3	11	22	TC-CB 02	●	○	○
KTZ	KTZ415	3	15	28.3	TC-CB 03	●	○	○
KTZ	KTZ615	3	15	28.3	TC-CB 03	●	○	○
KRS	KRS2-69	3	9	19	TC-CB 01	●	○	○
KRS	KRS2-89	3	9	19	TC-CB 01	●	○	○
AGITATOR	KRS2-150	3	9	18.5	TC-CB 01	●	○	○
AGITATOR	GPN411	3	11	22	TC-CB 02	●	○	○
AGITATOR	GPN415	3	15	25.8	TC-CB 03	●	○	○
AGITATOR	NKZ3-100H	3	11	22	TC-CB 02	●	○	○
	80SFQ211	3	11	21	TC-CB 02	●	○	○
LH	LH311W	3	11	22	TC-CB 02	●	○	○
LH	LH615	3	15	27.5	TC-CB 03	●	○	○

BRIEF QUESTIONNAIRE

- *Single phase or Three phase pump(s) ?*
- *How many pumps to monitor ?*
- *How many pumps to control ?*
- *What parameters to monitor ?*
- *What is the power of the pump(s) ?*
- *What is the starting method of the pump(s) ?*
- *Is there access to internet via LAN/Wireless connection ?*
- *Is there LTE Vodafone connection on site ?*
- *What is the application ? (normal dewatering, construction, sewage, etc…)*
- *Brief explanation of application.*

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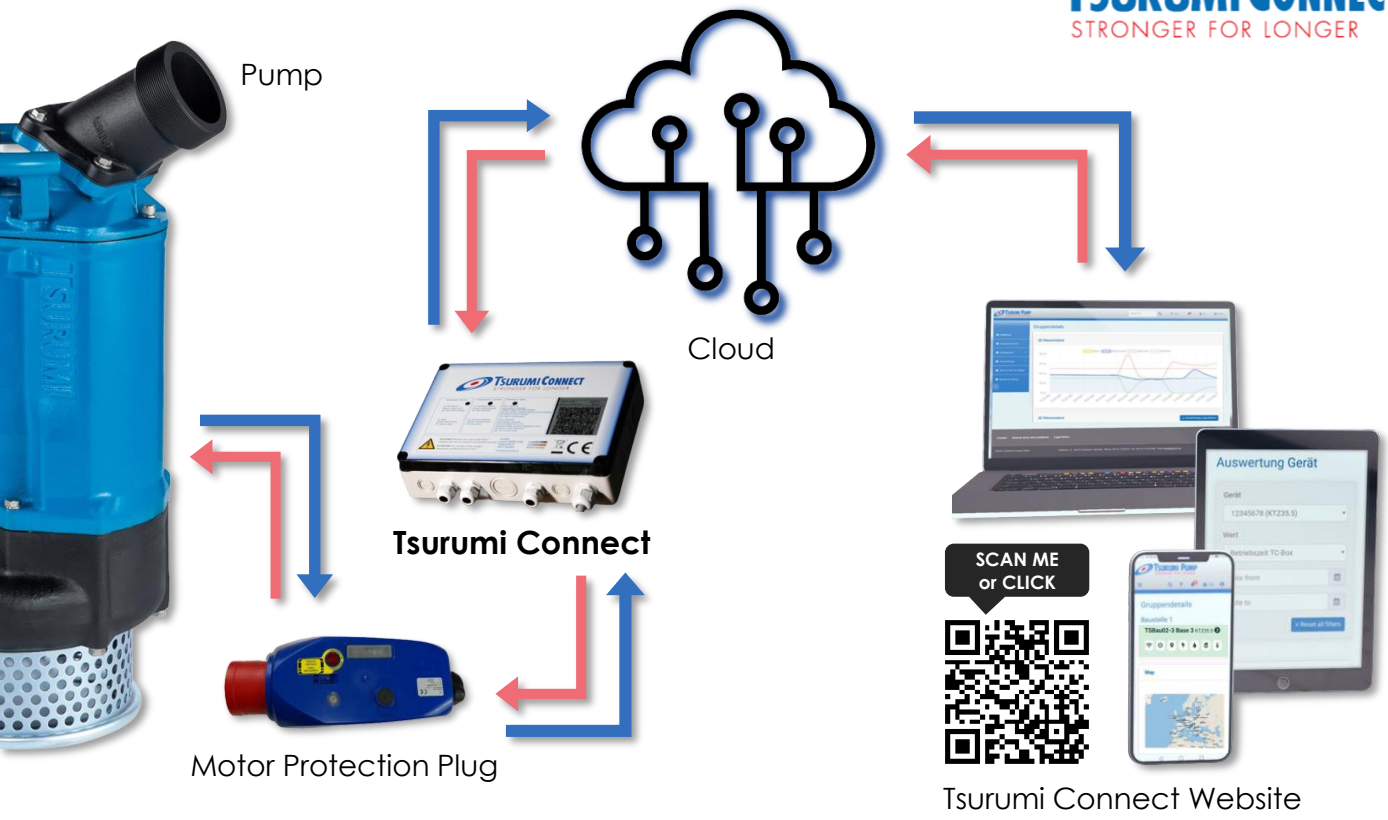

Features

- **Instant alerts via Telegram App, email, or web alarm**
  In case of emergency an alarm message (worldwide) will be received immediately, providing further details of the failure, reducing potential cost on damages.

- **Real time data collection and evaluation via cloud**
  The real-time evaluation provide access to the data that the sensors connected to Tsurumi Connect Box currently deliver to the cloud.

- **Rotation/Phase monitoring**
  Rotation recognition including start up suppressions if phasing is incorrect.
  Emergency stop if one phase fails.

- **Automated control of pumps and other appliances**
  Customer specific installations e.g. cascade or booster applications can be achieved.

- **Operation cost monitoring**
  By connecting the flow meters, the operational cost can be monitored by running hours and the capacity that has been transported.

- **Maintenance planning**
  Maintenance intervals can be planned according to wear and operation to save cost.

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