

## KNX FacilityWeb system devices

### network coupler



- FacilityWeb system device provides all FacilityWeb functions like HTTP access, FTP access for KNX bus devices
- ETS programming of KNX installations via LAN
- integrated visualisation for 104 datapoints via standard webbrowser
- NK-FW-clock with integrated battery-backed clock
- NT80NK-FW-clock with integrated KNX-powersupply for max. 5 devices and integrated battery-backed clock

	type	RU	order-no.	Pg
network coupler-FW	NK-FW	6	87310	2
network coupler-FW +clock	NK-FW-clock	6	87320	2
network coupler-FW +clock +pwr	NT80NK-FW-clock	6	87330	2

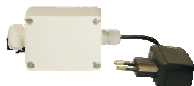
### data logger



- up to 6 different KNX datapoints may be logged (depending on data point type)
- 1 Bit, 1 Byte, 2 Byte und 4 Byte telegrams
- HTTP protocol / FTP protocol, download log-files (via NK-FW-xx only)
- 1 year data logging

	type	order-no.	Pg
data logger	LOG6A-FW	87910	2

### KNX power supply



- KNX power supply with choke
- bus current max. 80mA / 5 devices

	type	order-no.	Pg
KNX power supply with wall plug	NT80-ST	87900	2

## KNX FacilityWeb gas meters

### Elster

#### gas meter

##### type BK-GxA / AE2



- diaphragm gas meter
- including integrated KNX-interface
- full FacilityWeb functionality in connection with NK-FW-xx
- HTTP-protocol, dedicated homepage
- integrated data logging for 1-year

nominal diameter / measuring range	order-no.	Pg
G4 DN25 / 0,04-6 m³/h	85801	5

other dimensions on request

### Itron

#### gas meter

##### type Gx-RF1



- diaphragm gas meter
- including KNX-interface in separate, wall mounted box
- full FacilityWeb functionality in connection with NK-FW-xx
- HTTP protocol, dedicated homepage
- integrated data logging for 1-year

nominal diameter / measuring range	order-no.	Pg
G4 DN25 / 0,04-6 m³/h	85811	5

other dimensions on request

## KNX FacilityWeb electrical energy meters

### Kamstrup - electrical energy meters



- deliverable as 1, 2 or 4 quadrant meters in single or three-phase configuration
- complete FacilityWeb functionality in connection with NK-FW-xx.
- HTTP-protocol, dedicated homepage
- integrated data logging for 1-year, ETS configurable

	type	RU	order-no.	Pg
single-phase 2-quadrant	EZ162-C2-FW		87722	4
three-phase 1-quadrant	EZ382-C1-FW		87731	4
three-phase 2-quadrant	EZ382-C2-FW		87732	4
three-phase 4-quadrant	REG EZ382-C4-FW-REG		87744	4
three-phase 4-quadrant/ current transformer	EZ351-C4-FW (1:1) EZ351x-C4-FW (x:1)		87750 87751	4 4

## KNX FacilityWeb temperature / humidity sensors

### DIGITEMP temperature / humidity sensors



- temperature range -55 ... +125°C
- 4 independent thresholds integ-
- rated temperature controller

- complete FacilityWeb functionality in connection with NK-FW-xx.
- HTTP-protocol, dedicated homepage
- integrated data logging for 1-year
- thresholds adjustable by browser

- RTFF10-FW including humidity measurement (without integrated temperature controller)

immersion sleeve and mounting accessories on request

	type	RU	order-no.	Pg
pipe mounting temp. sensor	ANF99-FW		87130	2
duct temp. sensors	KTF99-135-FW 135mm		87101	2
	KTF99-240-FW 240mm		87102	2
	KTF99-392-FW 392mm		87103	2
cable temp. sensors	LTF02-1m-FW		87104	2
	LTF02-3m-FW		87105	2
outdoor temp. sensor	FRF99-FW		87120	2
indoor temp. sensor	RTF99-FW		87140	2
indoor temp./ humid. sensor	RTFF10-FW		87150	2

## KNX FacilityWeb cold / warm water meters

### Andrae

#### cold water / warm water meters



#### household water meters

- single-jet dry runner water meter
- including KNX-interface in separate, wall mounted box

- full FacilityWeb functionality in connection with NK-FW-xx
- HTTP-protocol, dedicated homepage
- integrated data logging for 1-year

nominal flow / length / connection thread / max.temp.	order-no.	Pg
Qn= 1,5m³/h , 80mm bei 16bar , 3/4"= DN15mm , 40°C	85101	5
Qn= 1,5m³/h , 110mm bei 16bar , 3/4"= DN15mm , 40°C	85102	5
Qn= 2,5m³/h , 130mm bei 16bar , 1"= DN20mm , 40°C	85103	5
Qn= 1,5m³/h , 80mm bei 16bar , 3/4"= DN15mm , 90°C	85111	5
Qn= 1,5m³/h , 110mm bei 16bar , 3/4"= DN15mm , 90°C	85112	5
Qn= 2,5m³/h , 130mm bei 16bar , 1"= DN20mm , 90°C	85113	5

other dimensions on request

### KNX FacilityWeb cold / warm water meters

#### Andrae cold water / warm water meters



##### water meters (type MTK-HWX)

- multi-jet water meter
- including KNX-interface in separate, wall mounted box
- full FacilityWeb functionality in connection with NK-FW-xx
- HTTP-protocol, dedicated homepage
- integrated data logging for 1-year

nominal flow / length / connection thread / max.temp.	order-no.	Pg
Qn= 2,5m³/h ,190mm , G1B , 40°C	85140	5
Qn= 6 m³/h , 260mm , G1-1/4 B , 40°C	85141	5
Qn= 10 m³/h ,300mm , G2B , 40°C	85142	5

Qn= 2,5m³/h ,190mm , G1B , 90°C	85150	5
Qn= 6 m³/h , 260mm , G1-1/4 B , 90°C	85151	5
Qn= 10 m³/h ,300mm , G2B , 90°C	85152	5

other dimensions on request

#### Hydrometer cold / warm water meters

##### electronic water meters, type Corona E



- multi-jet dry runner electronic water meter
- electronic display for meter readout
- including KNX-interface in separate, wall mounted box
- full FacilityWeb functionality in connection with NK-FW-xx
- HTTP-protocol, dedicated homepage

nominal flow / length / connection thread / max.temp. / dir.	order-no.	Pg
Qn= 1,5m³/h ,110mm , DN15 , G3/4" , 30°C, any	85010	5
Qn= 1,5m³/h ,110mm , DN15 , G3/4" , 90°C, any	85011	5
Qn= 2,5m³/h ,130mm , DN20 , G1" , 30°C, horizontal	85030	5
Qn= 2,5m³/h ,130mm , DN20 , G1" , 90°C, horizontal	85031	5
Qn= 2,5m³/h ,190mm , DN20 , G1" , 30°C, horizontal	85040	5
Qn= 2,5m³/h ,190mm , DN20 , G1" , 90°C, horizontal	85041	5

Qn= 2,5m³/h ,105mm , DN20 , G1" , 30°C, standpipe	85050	5
Qn= 2,5m³/h ,105mm , DN20 , G1" , 90°C, standpipe	85051	5

other dimensions on request

#### Sensus cold / warm water meters

##### rotary piston water meter



- dry runner, with shielded magnetic coupling
- including KNX-interface in separate, wall mounted box
- full FacilityWeb functionality in connection with NK-FW-xx
- HTTP-protocol, dedicated homepage
- integrated data logging for 1-year

nominal flow / length / connection thread / max.temp.	order-no.	Pg
Qn= 2,5m³/h ,190mm , DN20 , G1" , 40°C	85201	5

##### household water meters



- single-jet dry runner, with shielded magnetic coupling
- including KNX-interface in separate, wall mounted box
- full FacilityWeb functionality in connection with NK-FW-xx
- HTTP-protocol, dedicated homepage
- integrated data logging for 1-year

nominal flow / length / connection thread / max.temp. / dir.	order-no.	Pg
Qn= 1,5m³/h ,110mm , DN15 , G3/4" , 30°C , any	85220	5
Qn= 1,5m³/h ,110mm , DN15 , G3/4" , 90°C , any	85221	5
Qn= 2,5m³/h ,130mm , DN20 , G1" , 30°C , any	85230	5
Qn= 2,5m³/h ,130mm , DN20 , G1" , 90°C , any	85231	5

other dimensions on request

### KNX FacilityWeb heat meters

#### Kamstrup heat meters

##### type Multical 601 / Ultraflow



- heat meter with ultrasonic flow sensor
- 2 direct temperature sensors PT500 with 1,5m cable
- 230V mains supply
- including integrated KNX-interface
- full FacilityWeb functionality in connection with NK-FW-xx
- HTTP-protocol, dedicated homepage
- integrated data logging for 1-year

nominal flow / length / connection thread / max.temp.	order-no.	Pg
Qn= 0,6m³/h ,110mm DN15 , G3/4 B , 15-130°C	85901	5
Qn= 1,5m³/h ,110mm DN15 , G3/4 B , 15-130°C	85902	5
Qn= 1,5m³/h ,165mm DN15 , G3/4 B , 15-130°C	85903	5
Qn= 0,6m³/h ,130mm DN20 , G1B , 15-130°C	85904	5
Qn= 1,5m³/h ,130mm DN20 , G1B , 15-130°C	85905	5
Qn= 1,5m³/h ,165mm DN20 , G1B , 15-130°C	85906	5
Qn= 0,6m³/h ,190mm DN20 , G1B , 15-130°C	85907	5
Qn= 1,5m³/h ,190mm DN20 , G1B , 15-130°C	85908	5
Qn= 2,5m³/h ,190mm DN20 , G1B , 15-130°C	85909	5
Qn= 3,5m³/h ,260mm DN25 , G5/4B , 15-130°C	85910	5
Qn= 6m³/h , 260mm DN25 , G5/4B , 15-130°C	85911	5
Qn= 10m³/h , 300mm DN40 , G2B , 15-130°C	85912	5

other dimensions on request

#### Zenner heat meters

##### type Zelsius



- heat meter with multi-jet flow sensor
- 2 direct temperature sensors PT500 with 1,5m cable
- including KNX-interface in separate, wall mounted box
- full FacilityWeb functionality in connection with NK-FW-xx
- HTTP-protocol, dedicated homepage
- integrated data logging for 1-year

nominal flow / length / connection thread / max.temp.	order-no.	Pg
Qn= 0,6m³/h ,110mm DN15 , G3/4 B , 0-105°C	85951	5
Qn= 1,5m³/h ,110mm DN15 , G3/4 B , 0-105°C	85952	5
Qn= 2,5m³/h ,130mm DN20 , G1B , 0-105°C	85953	5

other dimensions on request

### separate KNX interfaces (without meter)



- complete FacilityWeb functionality in connection with NK-FW-xx.
- HTTP-protocol, dedicated homepage
- integrated data logging for 1-year, ETS configurable
- thresholds and scheduled value adjustable by browser

type	order-no.	Pg
Elster gas meter BK-GxA / AE2	87980	5
ltron gas meter Gx RF1 / Cyble Mbus V1.4	87981	5
Kamstrup heat meter Multical 601	87960	5
Manthey water meter MODM	87920	5
NZR water meter MBUS	87921	5
Hydrometer Flypper / CoronaE MBUS/PULS	87922	5
Sensus water meter HRI-B1/12	87923	5
Sensus water meter Residia M	87924	5
Andrae water meter M-BUS	87925	5
Kamstrup energy meter EZ162/382/351	87799	5
Zenner heat meter Zelsius M-Bus	87962	5