

Professional-grade instruments for field service

Charging Kit

Superheat/Subcooling
Accessory Head with K-type
Pipe Clamp Thermocouple

ASH3, ASX14, and ASX24 Specifications

Function	Range	Accuracy/ Resolution
Pressure	0 - 500psi	±1 psi (0-200psi)/0.1 ±0.3% ±1psi (200-500psi)/0.1
Vacuum (negative pressure)	29"Hg vac. - 0	±1"Hg (50°F-115°F)/0.1 ±2"Hg (32°F-122°F)/0.1
Temperature	-40°F - 200°F	±1°F/0.1°
Superheat/ Subcooling	0 - 80°F	±1°F/0.1°

* System accuracy
(Accessory head + pipe clamp thermocouple + meter after system field calibration)

Charging Kit

Superheat/Subcooling
Accessory Head with K-type
Pipe Clamp Thermocouple



	ASH3	ASX14	ASX24
Refrigerants	R22 & R410A	R22 & R410A	R134A & R404A
Superheat	●	●	●
Subcooling	●	●	●
Suction line PSI	●	●	●
Liquid line PSI	●	●	●
Pipe Temperature	●	●	●

Charging Kit

Take Superheat/Subcooling Readings Easily
Measures suction/liquid line pressure
and temperature and calculates the
superheat/subcooling of the system. There's
no easier way to find superheat/subcooling.

Connects to Fieldpiece Meters

Just snap the accessory head onto meter or
use deluxe silicone leads for remote connection.



ASH3

ASX14

ASX24

Pipe Clamp
Thermocouple

What is Actual Superheat/Subcooling

Actual superheat is the temperature
rise of refrigerant in the evaporator
after it boils. Actual subcooling is the
temperature decrease of refrigerant in
the condenser after condensation.

What is Target Superheat/Subcooling

Target superheat or subcooling is the
equipment manufacturer's
recommended superheat or subcooling
under specific conditions. It varies with
the equipment, outdoor air temperature,
and indoor wet bulb.

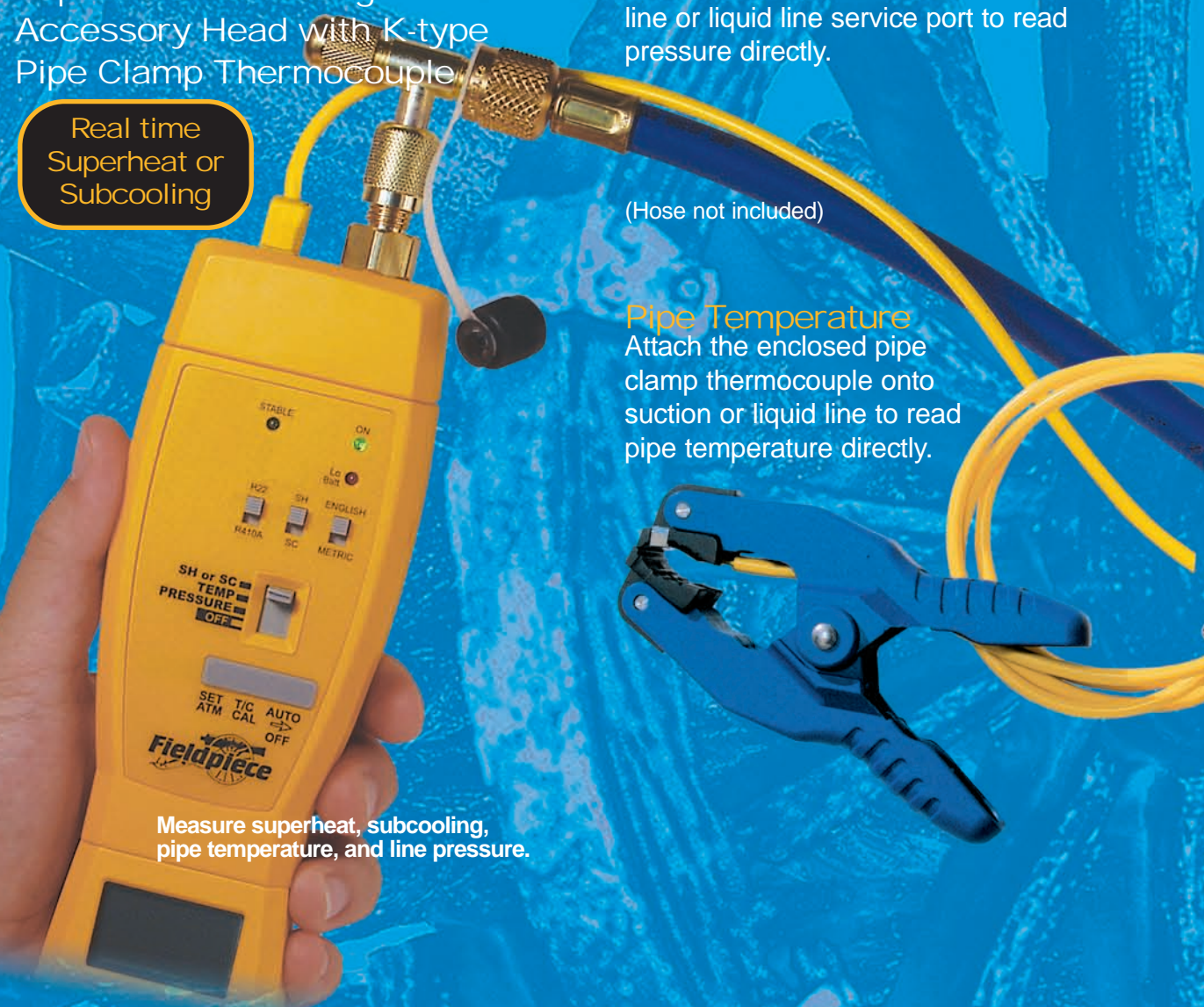
How You Charge to Superheat/Subcooling

After all components are installed and
working properly, measure actual
superheat and/or subcooling using the
Fieldpiece accessory head and adjust
the charge until the actual superheat
and/or subcooling matches the target.

Charging Kit

Superheat/Subcooling
Accessory Head with K-type
Pipe Clamp Thermocouple

Real time
Superheat or
Subcooling



Line Pressure

Attach your service hose between
the accessory head and the suction
line or liquid line service port to read
pressure directly.

(Hose not included)

Pipe Temperature

Attach the enclosed pipe
clamp thermocouple onto
suction or liquid line to read
pipe temperature directly.

Measure superheat, subcooling,
pipe temperature, and line pressure.

USA
Tequipment
.NET

205 Westwood Ave
Long Branch, NJ 07740
1-877-742-TEST (8378)
Fax: (732) 222-7088
salesteam@Tequipment.NET